



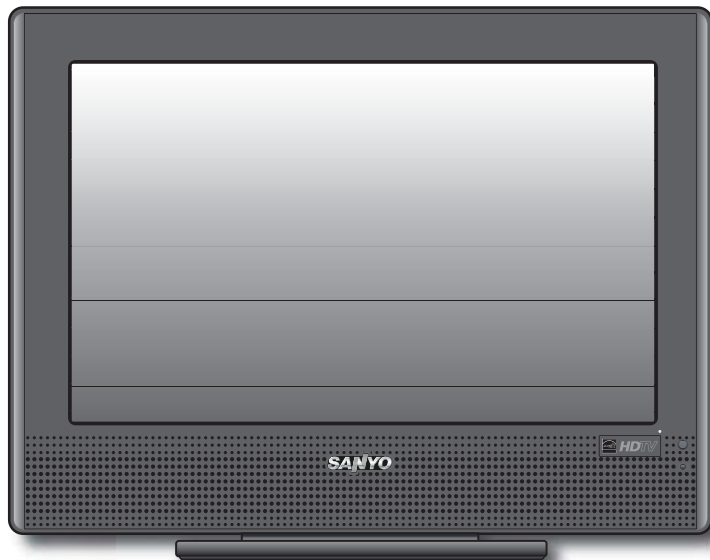
FILE NO.

SERVICE MANUAL

Remote Control Digital Color Television

DP19648 (U.S.A.)
(CANADA)

ORIGINAL VERSION



Chassis No. P19648-00

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You **must** refer to "Notices" to the Original Service Manual prior to servicing the unit.

Servicing should be performed by only trained and qualified service personnel.

Contents

SAFETY INSTRUCTIONS	2
SERVICE ADJUSTMENTS	3
ON-SCREEN SERVICE MENU	4
POWER FAILURE CIRCUIT	5
MECHANICAL DISASSEMBLY	6-8
CHASSIS ELECTRICAL PARTS LIST	10
CABINET PARTS LIST	25
COMPONENT AND TESTPOINT LOCATIONS	26
BLOCK DIAGRAM POWER LINES	29
BLOCK DIAGRAM SIGNAL LINES	30
IC BLOCK DIAGRAMS	31-36
TROUBLESHOOTING FLOW CHARTS	37-38
CONTROL PORT FUNCTIONS	40
SIGNAL FLOW CHARTS	42-46
SCHEMATIC NOTES	47
IC, DIODE, AND TRANSISTOR PIN LAYOUTS	48
PC BOARD CONNECTIONS AND LOCATIONS	49
CAPACITOR AND RESISTOR CODE CHART	50
SCHEMATIC DIAGRAMS	51-52

Specifications

POWER RATING	120VAC 50W (AVG.)
ANTENNA INPUT IMPEDANCE	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY	32 KEY REMOTE CONTROL
SOUND OUTPUT	2.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER	45.75MHz
SOUND IF CARRIER	41.25MHz
COLOR SUB CARRIER	42.17MHz
CABINET DIMENSIONS	
WIDTH	480.1mm
HEIGHT	383.5mm
DEPTH INCLUDING BASE	185.4mm

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

ANTENNA COLD CHECK

Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

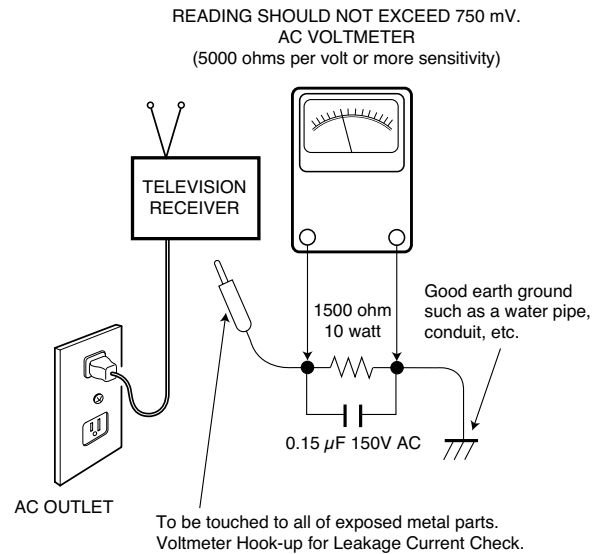
LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a ⚠ in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

CAUTION: Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

CAUTION: Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpacked) ES devices.

SERVICE ADJUSTMENTS

GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

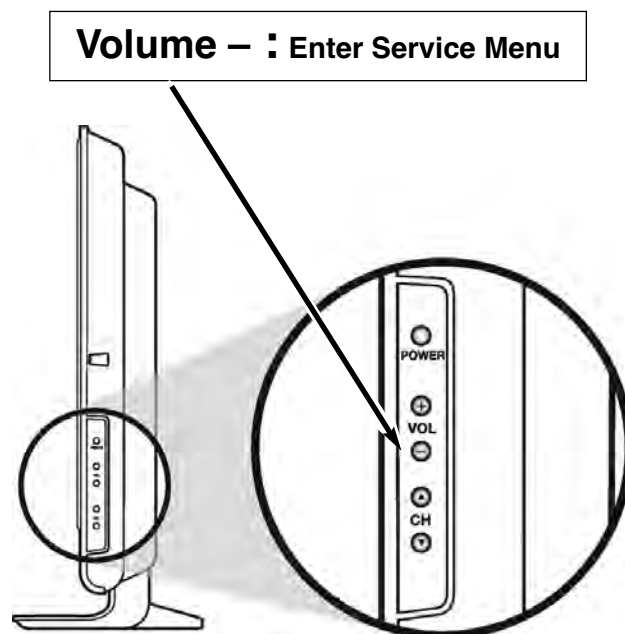
ON-SCREEN SERVICE MENU SYSTEM

1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (–) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

ITEM NO.	TITLE	HEX DATA
086	VOL	30

Figure 1. Service Menu Display

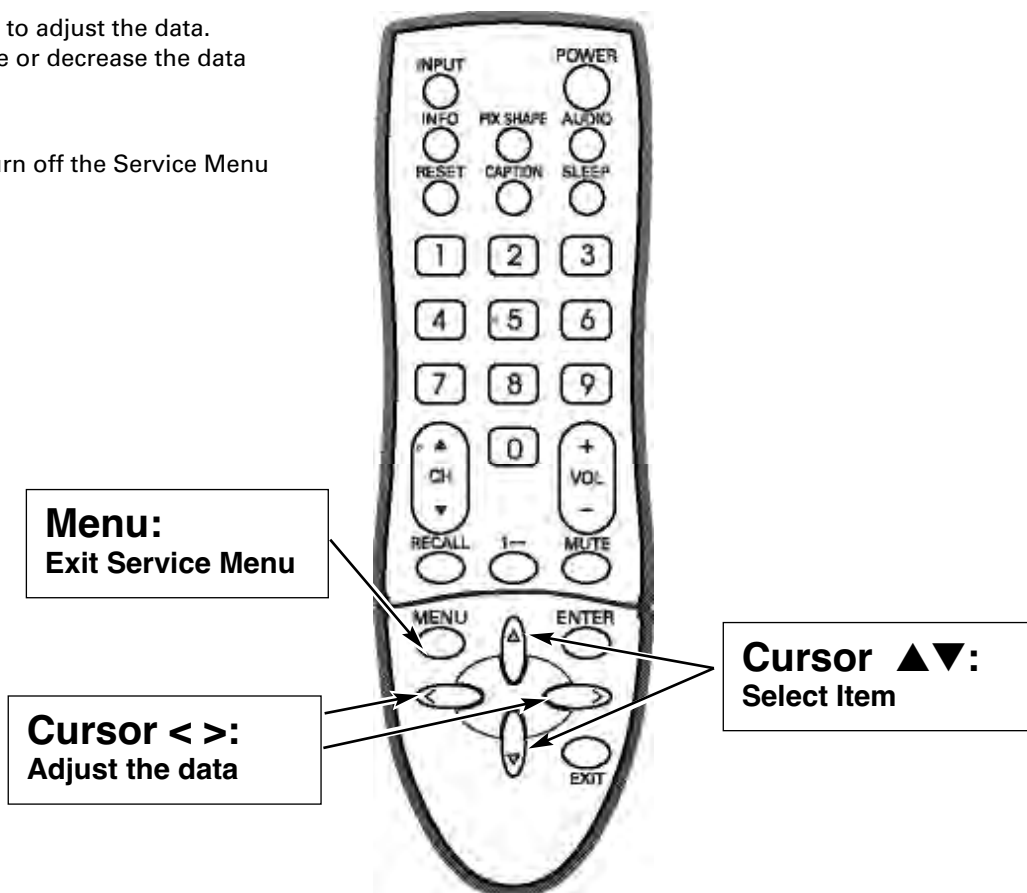


2. Service Adjustments:

- Press the **Cursor ▲** or **▼** key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the **Cursor <** or **>** key to adjust the data. The **<** or **>** key will increase or decrease the data sequentially.

3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.



ON-SCREEN SERVICE MENU

Table 1. ON-SCREEN SERVICE MENU

When IC801 (EEPROM) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

No.	Title	Initial Data	Note
1A0	MUTE	A0h	Audio mute at Power ON
086	VOL	30h	Volume setup inspection
087	OP1	40h	Option 1 Data (HDMI)
088	OP2	04h	Option 2 Data (Display Panel)
101	1R00	00h	ROM Correction Data
102	1R01	00h	ROM Correction Data
↓	↓	↓	↓
197	2R47	00h	ROM Correction Data
198	2R48	00h	ROM Correction Data

- All data except in gray box area is fixed. Do not change for correct operating.
- Data in gray box is initial and can be set according to adjustment information.

PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

Note 1. Option Data 1 (NO. 087 OP1) should be hexadecimal 40. See 087 above. If this program code is wrong the TV will not operate properly.

Note 2. Option Data 2 (NO. 088 OP2) should be hexadecimal 04. See 088 above. If this program code is wrong the TV will not operate properly.

POWER FAILURE CIRCUIT

CPU (IC800) is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

Power Failure: Detected voltage failure for circuit. (Connected to IC800 pin 32 and pin 23.)

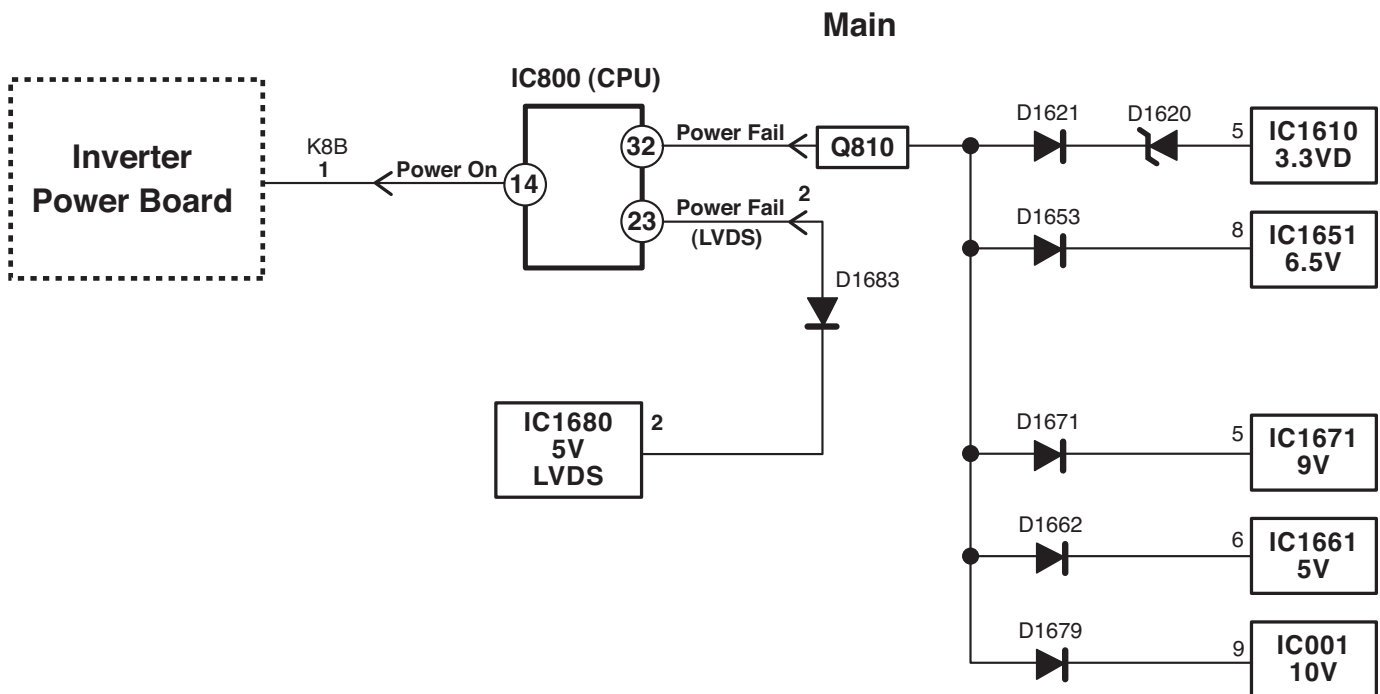
(Normal: High; Failure: Low)

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the CPU will shut off the power within three seconds.

Check the following if the unit is turned off by the power failure detector.

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

Note: If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the CPU it is necessary to disconnect the AC cord for a short time.



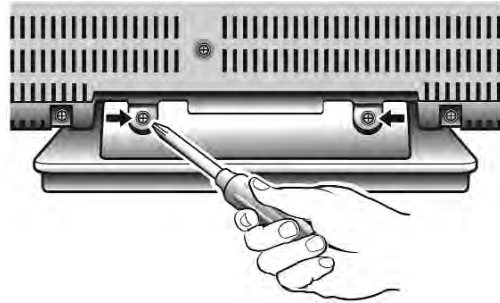
MECHANICAL DISASSEMBLY

CAUTION: This LCD TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing.

STAND REMOVAL

Note: Position TV face down on a padded or cushioned surface to protect the screen and finish.

Remove 2 screws(3X25) to take the stand off.

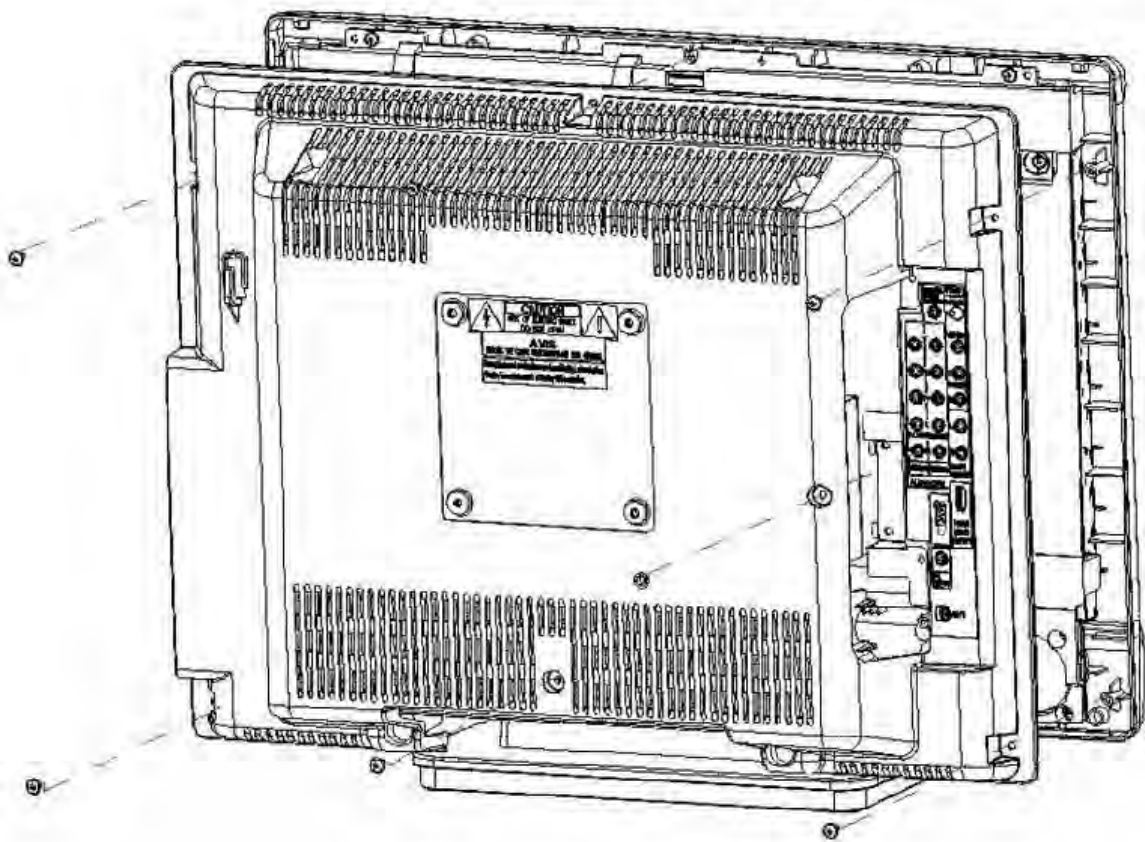


CABINET BACK REMOVAL

Remove 6 screws (3X10) and 1 screw (3X6).

Grasp the bottom of the back and tilt forward to release the hooks. Remove the cabinet back.

Note: The cabinet back can be removed without removing the stand.





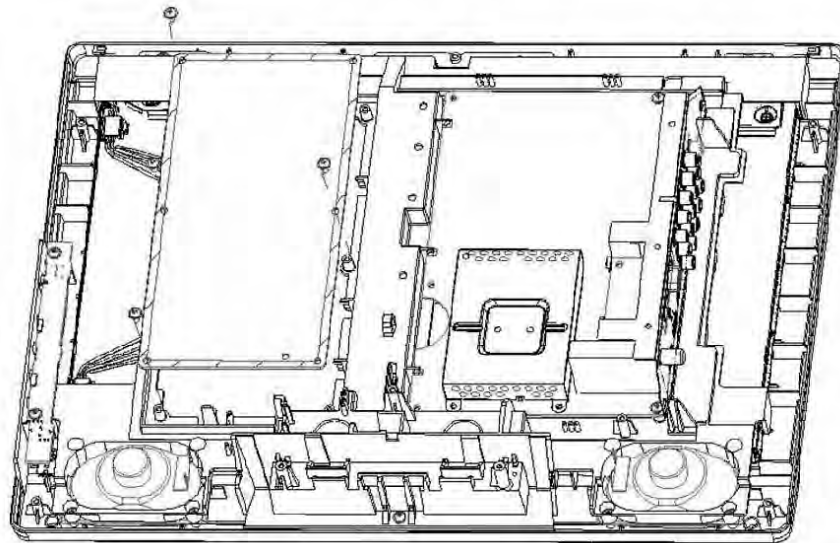
ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

POWER BOARD REMOVAL

Remove 4 screws (3X10) to take off the power unit.

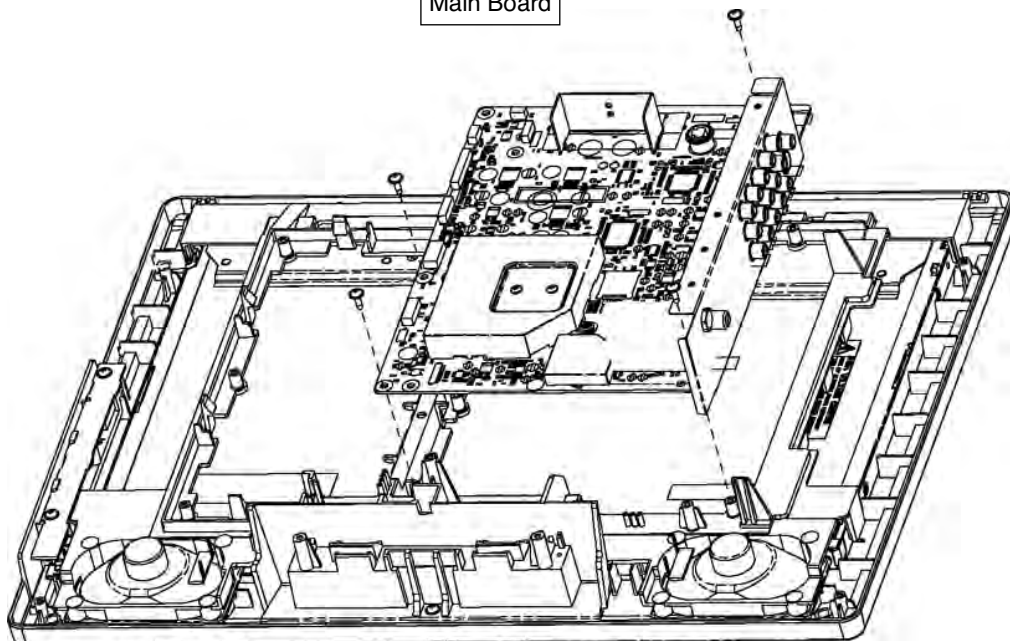
Power Unit



MAIN BOARD REMOVAL

Remove 3 screws (3X10) to take off the main board.

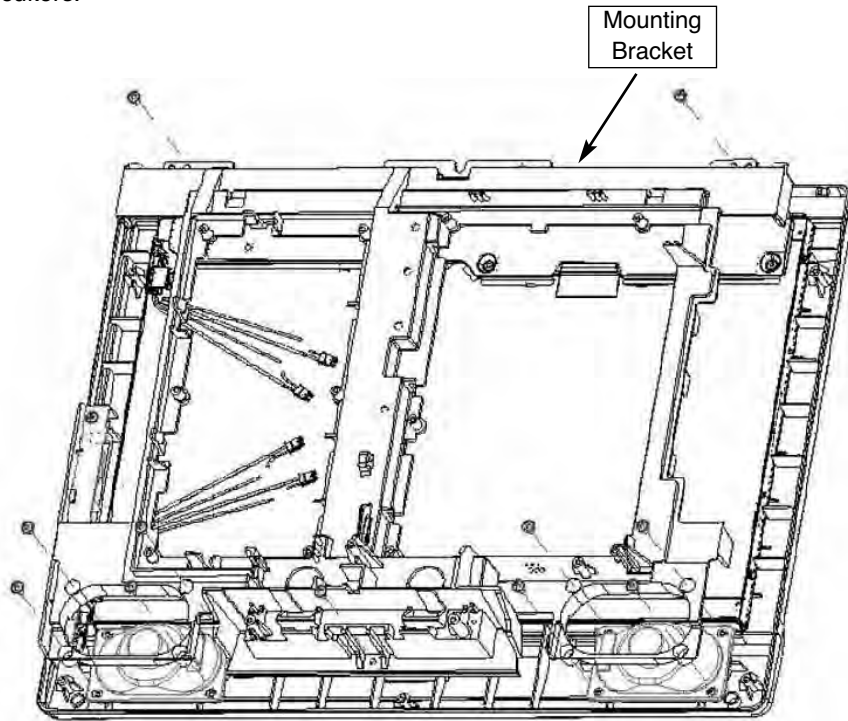
Main Board



MECHANICAL DISASSEMBLY (CONT.)

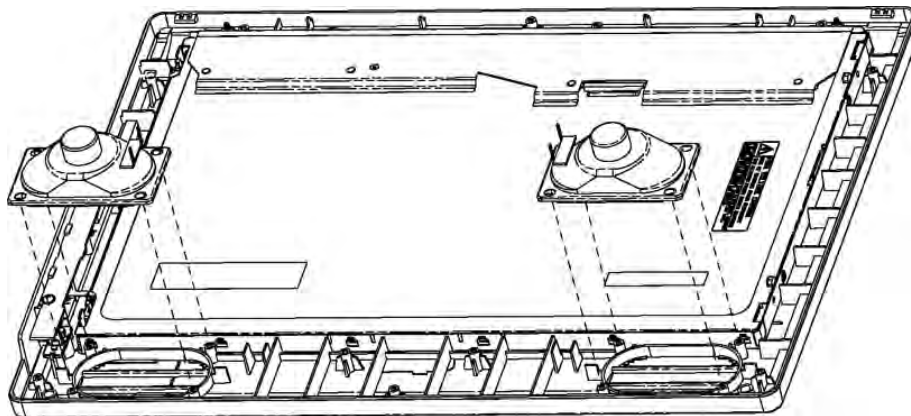
MOUNTING BRACKET AND SPEAKER REMOVAL

Remove 11 screws (3X10) to take off the mounting bracket and the left and right speakers.



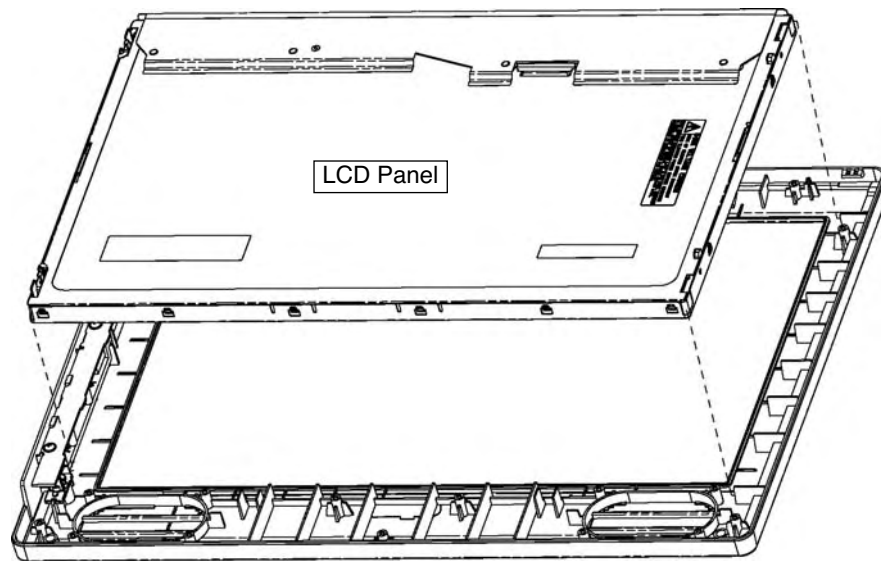
SPEAKER REMOVAL

Lift both speakers from cabinet.



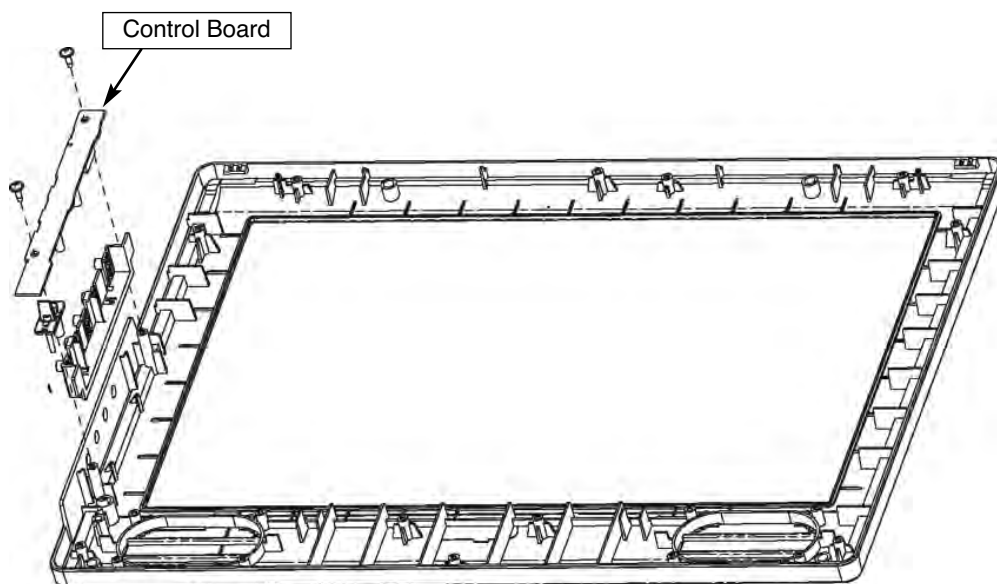
LCD PANEL REMOVAL

Lift panel from cabinet.



CONTROL BOARD REMOVAL

Remove 2 screws (3X10) to take off the control board with the button assembly parts.



CHASSIS ELECTRICAL PARTS LIST

CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A Δ IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A Δ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A Δ .

Note: Schematic part location numbers may not always match with the part descriptions.
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description
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CAPACITORS

NOTES:

Read description of the Capacitor as follows:

(Example)

CERAMIC	100P	K	50V
			Rated Voltage
			Tolerance Symbols:
			Less than 10pF
			A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$
			D : $\pm 0.5\text{pF}$ E : $+0 -1\text{pF}$ F : $\pm 1\text{PF}$
			G : $\pm 2\text{pF}$ H : $+0.1 -0\text{pF}$ L : $+0 -0.1\text{pF}$
			R : $\pm 0.25 -0\text{pF}$ S : $+0 -0.25\text{pF}$
			More than 10pF
			A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$
			D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$
			H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$
			L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$
			P : $+100 -0\%$ Q : $+30 -10\%$ T : $+50 -10\%$
			U : $+75 -10\%$ V : $+20 -10\%$ W : $+100 -10\%$
			X : $+40 -20\%$ Y : $+150 -10\%$ Z : $+80 -20\%$
			Rated value: P=pico farad, U=micro farad

Material:

CERAMIC..... Ceramic
MT-PAPER..... Metallized Paper
POLYESTER..... Polyester
MT-POLYEST.....Metallized Polyester
POLYPRO..... Polypropylene
MT-POLYPRO..... Metallized Polypropylene
COMPO FILM..... Composite Film
MT-COMPO..... Metallized Composite
STYRENE..... Styrene
TA-SOLID..... Tantalum Solid
AL-SOLID..... Aluminium Solid
ELECT..... Electrolytic
NP-ELECT..... Non-polarised Electrolytic
OS-SOLID..... Aluminium Solid with Organic
Semiconductive Electrolytic

Schematic Location	Part No.	Description
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RESISTORS

NOTES:

Read description of the Resistor as follows:

(Example)

CARBON	4.7K	J	A	1/4W
				Rated Wattage
				Performance Symbols:
				A...General B...Non-flammable
				Z...Low noise
				Other... Temperature coefficient
				Tolerance Symbols:
				A...0.05% B...0.1% C...25%
				D...0.5% F...1% G...2%
				J...5% K...10% M...20%
				P...+5 -15%
				Rated Value, ohms:
				K...1,000 M...1,000,000

Material:

CARBON Carbon
MT-FILMMetal Film
OXIDE-MTOxide Metal Film
SOLIDComposition
MT-GLAZEMetal Glaze
WIRE WOUNDWire Wound
CERAMIC RES Ceramic
FUSIBLE RES Fusible

Schematic Location	Part No.	Description
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CAPACITORS

C001	CPXLB1C100YAN	NP-ELECT 10U M 16V
	CPXLB1C100ZAN	NP-ELECT 10U M 16V
C002	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C006	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C007	CEXLB1C101VDN	ELECT 100U M 16V
C008	CK1H102KLZBNG	CERAMIC 1000P K 50V
C009	CK1H102KLZBNG	CERAMIC 1000P K 50V
C013	CPXLB1C100YAN	NP-ELECT 10U M 16V
C013	CPXLB1C100ZAN	NP-ELECT 10U M 16V
C015	CEXLB1C222VDN	ELECT 2200U M 16V
C016	CEXLB1H100VDN	ELECT 10U M 50V
C017	CEXLB1H100VDN	ELECT 10U M 50V
C801	CK1A105KLZBNG	CERAMIC 1U K 10V
C802	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C803	CEXLB1V470VDN	ELECT 47U M 35V
C804	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C805	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C807	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C808	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
C809	CC1H220JLZCNG	CERAMIC 22P J 50V
C810	CC1H220JLZCNG	CERAMIC 22P J 50V
C811	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C812	CC1H470JLZCNG	CERAMIC 47P J 50V
C813	CC1H470JLZCNG	CERAMIC 47P J 50V
C814	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C816	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C818	CK1H222KLZBNG	CERAMIC 2200P K 50V
C819	CEXLB0J221VDN	ELECT 220U M 6.3V
C821	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C822	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C823	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C824	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C825	CC1H470JLZCNG	CERAMIC 47P J 50V
C1002	CEXLB1V470VDN	ELECT 47U M 35V
C1003	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1004	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1011	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1012	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1013	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1014	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1015	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1016	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1017	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1201	CEXLB1V470VDN	ELECT 47U M 35V
C1202	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1223	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1224	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C1233	CK1A105KLZBNG	CERAMIC 1U K 10V
C1234	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1235	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1241	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1242	CEXLB1V470VDN	ELECT 47U M 35V
C1243	CK1H104KLZBNG	CERAMIC 0.1U K 50V

Schematic Location	Part No.	Description
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C1244	CEXLB1V470VDN	ELECT 47U M 35V
C1245	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1246	CEXLB1V470VDN	ELECT 47U M 35V
C1247	CEXLB1V470VDN	ELECT 47U M 35V
C1248	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1249	CEXLB1V470VDN	ELECT 47U M 35V
C1250	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1251	CEXLB1V470VDN	ELECT 47U M 35V
C1252	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1253	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1254	CEXLB1C101VDN	ELECT 100U M 16V
C1603	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1609	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1610	CEXLB1E102VDN	ELECT 1K U M 25V
C1611	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1612	CK1H102KLZBNG	CERAMIC 1000P K 50V
C1613	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1614	CK1H472KLZBNG	CERAMIC 4700P K 50V
C1617	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1618	CK1H472KLZBNG	CERAMIC 4700P K 50V
C1619	CK1A105KLZBNG	CERAMIC 1U K 10V
C1620	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1621	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1622	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1623	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1624	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1625	CK1A105KLZBNG	CERAMIC 1U K 10V
C1626	CK1A105KLZBNG	CERAMIC 1U K 10V
C1627	CEXLB1C222VDN	ELECT 2200U M 16V
C1628	CEXLB1C222VDN	ELECT 2200U M 16V
C1629	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1630	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1631	CK0J106KGM	CERAMIC 10U K 6.3V
C1651	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1652	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1653	CEXLB1V471VDN	ELECT 470U M 35V
C1654	CK1H222KLZBNG	CERAMIC 2200P K 50V
C1655	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1656	CK1H153KLZBNG	CERAMIC 0.015U K 50V
C1657	CK1A105KLZBNG	CERAMIC 1U K 10V
C1658	CEXLB1C471VDN	ELECT 470U M 16V
C1659	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1661	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1662	CK1A105KLZBNG	CERAMIC 1U K 10V
C1666	CK1A105KLZBNG	CERAMIC 1U K 10V
C1667	CEXLB1C101VDN	ELECT 100U M 16V
C1671	CEXLB1C101VDN	ELECT 100U M 16V
C1672	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1674	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1675	CEXLB1C101VDN	ELECT 100U M 16V
C1678	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1679	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1681	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1682	CK1H104ZLZFN	CERAMIC 0.1U Z 50V

Schematic Location	Part No.	Description		
C1683	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C1684	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C1685	CEXLB1V471VDN	ELECT	470U M	35V
C1686	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C1687	CEXLB1E102VDN	ELECT	1K U M	25V
C1689	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C1691	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C1692	CK1H102KLZBNG	CERAMIC	1000P K	50V
C1693	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C1903	CEXLB1V470VDN	ELECT	47U M	35V
C1904	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C1905	CC1H470JLZCNG	CERAMIC	47P J	50V
C2400	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C2401	CEXLB1H100VDN	ELECT	10U M	50V
C3200	CK1A105KLZBNG	CERAMIC	1U K	10V
C3201	CK1A105KLZBNG	CERAMIC	1U K	10V
C3202	CK1A105KLZBNG	CERAMIC	1U K	10V
C3203	CK1A105KLZBNG	CERAMIC	1U K	10V
C3204	CK1H223KLZBNG	CERAMIC	0.022U K	50V
C3205	CK1H222KLZBNG	CERAMIC	2200P K	50V
C3206	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C3208	CK1A105KLZBNG	CERAMIC	1U K	10V
C3209	CK1A105KLZBNG	CERAMIC	1U K	10V
C3210	CK1A105KLZBNG	CERAMIC	1U K	10V
C3211	CK1A105KLZBNG	CERAMIC	1U K	10V
C3212	CK1A105KLZBNG	CERAMIC	1U K	10V
C3213	CK1A105KLZBNG	CERAMIC	1U K	10V
C3214	CK1A105KLZBNG	CERAMIC	1U K	10V
C3215	CK1H222KLZBNG	CERAMIC	2200P K	50V
C3216	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C3217	CK1A105KLZBNG	CERAMIC	1U K	10V
C3218	CK1A474KLZBNG	CERAMIC	0.47U K	10V
C3219	CK1A105KLZBNG	CERAMIC	1U K	10V
C3220	CK1A105KLZBNG	CERAMIC	1U K	10V
C3221	CK1A105KLZBNG	CERAMIC	1U K	10V
C3222	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C3223	CEXLB1C222VDN	ELECT	2200U M	16V
C5500	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5501	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5504	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5505	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5506	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5507	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5508	CK1A105KLZBNG	CERAMIC	1U K	10V
C5509	CK1A105KLZBNG	CERAMIC	1U K	10V
C5510	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5511	CK1A105KLZBNG	CERAMIC	1U K	10V
C5512	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5513	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5514	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5515	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5516	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5517	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5518	CK1A105KLZBNG	CERAMIC	1U K	10V

Schematic Location	Part No.	Description		
C5519	CK1A105KLZBNG	CERAMIC	1U K	10V
C5520	CK1A105KLZBNG	CERAMIC	1U K	10V
C5521	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5522	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5523	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5524	CEXLB0J221VDN	ELECT	220U M	6.3V
C5525	CK0J106KGBNG	CERAMIC	10U K	6.3V
C5526	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5527	CK0J106KGBNG	CERAMIC	10U K	6.3V
C5528	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5529	CK1A105KLZBNG	CERAMIC	1U K	10V
C5530	CEXLB0J221VDN	ELECT	220U M	6.3V
C5531	CEXLB0J221VDN	ELECT	220U M	6.3V
C5532	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5533	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5534	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5535	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5536	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5537	CK0J106KGBNG	CERAMIC	10U K	6.3V
C5538	CK1A105KLZBNG	CERAMIC	1U K	10V
C5539	CK1A105KLZBNG	CERAMIC	1U K	10V
C5540	CK1A105KLZBNG	CERAMIC	1U K	10V
C5541	CK1A105KLZBNG	CERAMIC	1U K	10V
C5542	CK1A105KLZBNG	CERAMIC	1U K	10V
C5543	CC1H6R0DLZCNG	CERAMIC	6P D	50V
C5544	CK0J106KGBNG	CERAMIC	10U K	6.3V
C5545	CK1A105KLZBNG	CERAMIC	1U K	10V
C5546	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5547	CC1H180JLZCNG	CERAMIC	18P J	50V
C5548	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5549	CK1A105KLZBNG	CERAMIC	1U K	10V
C5550	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5551	CK0J106KGBNG	CERAMIC	10U K	6.3V
C5552	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5553	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5554	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5555	CK1A105KLZBNG	CERAMIC	1U K	10V
C5556	CK1A105KLZBNG	CERAMIC	1U K	10V
C5557	CK0J106KGBNG	CERAMIC	10U K	6.3V
C5558	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5559	CK1A105KLZBNG	CERAMIC	1U K	10V
C5561	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5562	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V
C5563	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5564	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5565	CK1A105KLZBNG	CERAMIC	1U K	10V
C5566	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V
C5567	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C5568	CK1A105KLZBNG	CERAMIC	1U K	10V
C5569	CK1A105KLZBNG	CERAMIC	1U K	10V
C5570	CK0J106KGBNG	CERAMIC	10U K	6.3V
C5571	CK1A105KLZBNG	CERAMIC	1U K	10V
C5572	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V

Schematic Location	Part No.	Description
C5573	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5574	CK1A105KLZBNG	CERAMIC 1U K 10V
C5575	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5576	CK1A105KLZBNG	CERAMIC 1U K 10V
C5577	CK1A105KLZBNG	CERAMIC 1U K 10V
C5579	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5580	CK1A105KLZBNG	CERAMIC 1U K 10V
C5581	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5582	CK1A105KLZBNG	CERAMIC 1U K 10V
C5583	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5584	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5585	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5586	CC1H101JLZCNG	CERAMIC 100P J 50V
C5587	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5588	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5589	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5590	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5591	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5592	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5593	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5594	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5595	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5596	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5597	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5598	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5599	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5600	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5602	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5603	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5605	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5606	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5608	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5611	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5612	CK1A105KLZBNG	CERAMIC 1U K 10V
C5614	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5616	CK1A105KLZBNG	CERAMIC 1U K 10V
C5617	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5618	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5619	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5620	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5621	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5622	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5623	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5624	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5625	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5626	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5627	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5629	CC1H390JLZCNG	CERAMIC 39P J 50V
C5630	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5631	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5632	CK1A105KLZBNG	CERAMIC 1U K 10V
C5635	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
C5636	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
C5638	CC1H150JLZCNG	CERAMIC 15P J 50V

Schematic Location	Part No.	Description
C5639	CC1H150JLZCNG	CERAMIC 15P J 50V
C5640	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5642	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5643	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5644	CK1C224KLZBNG	CERAMIC 0.22U K 16V
C5645	CK1C224KLZBNG	CERAMIC 0.22U K 16V
C5646	CK1C224KLZBNG	CERAMIC 0.22U K 16V
C5648	CK1H392KLZBNG	CERAMIC 3900P K 50V
C5649	CK1H393KLZBNG	CERAMIC 0.039U K 50V
C5650	CK1A105KLZBNG	CERAMIC 1U K 10V
C5700	CK1A105KLZBNG	CERAMIC 1U K 10V
C5702	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5703	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5704	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5707	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5710	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5712	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5713	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5714	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5716	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5717	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5718	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5719	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5750	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5751	CEXLB1V470VDN	ELECT 47U M 35V
C5800	CEXLB1H100VDN	ELECT 10U M 50V
C5801	CEXLB1H100VDN	ELECT 10U M 50V
C5802	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5803	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5804	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5805	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5806	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5807	CC1H120JLZCNG	CERAMIC 12P J 50V
C5808	CC1H120JLZCNG	CERAMIC 12P J 50V
C5809	CC1H120JLZCNG	CERAMIC 12P J 50V
C5811	CC1H150JLZCNG	CERAMIC 15P J 50V
C5812	CC1H150JLZCNG	CERAMIC 15P J 50V
C5813	CC1H150JLZCNG	CERAMIC 15P J 50V
C5815	CC1H270JLZCNG	CERAMIC 27P J 50V
C5816	CC1H270JLZCNG	CERAMIC 27P J 50V
C5817	CC1H270JLZCNG	CERAMIC 27P J 50V
C5819	CC1H680JLZCNG	CERAMIC 68P J 50V
C5820	CC1H680JLZCNG	CERAMIC 68P J 50V
C5821	CC1H680JLZCNG	CERAMIC 68P J 50V
C5901	CK1A474KLZBNG	CERAMIC 0.47U K 10V
C5904	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5905	CEXLB1H100VDN	ELECT 10U M 50V
C6050	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C6051	CK1A105KLZBNG	CERAMIC 1U K 10V
C6055	CK1A105KLZBNG	CERAMIC 1U K 10V
C6056	CEXLB1V470VDN	ELECT 47U M 35V
C6057	CK1A105KLZBNG	CERAMIC 1U K 10V
C6060	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C6061	CK1A105KLZBNG	CERAMIC 1U K 10V

Schematic Location	Part No.	Description
C6063	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C6065	CK1A105KLZBNG	CERAMIC 1U K 10V
C6066	CEXLB0J221VDN	ELECT 220U M 6.3V
C6067	CEXLB0J102VDN	ELECT 1000U M 6.3V
C6071	CK1A105KLZBNG	CERAMIC 1U K 10V
C6072	CEXLB1V470VDN	ELECT 47U M 35V
C6082	CK0J106KGM BNG	CERAMIC 10U K 6.3V
C6083	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6084	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6085	CEXLB0J221VDN	ELECT 220U M 6.3V
C6099	CEXLB0J221VDN	ELECT 220U M 6.3V
C6100	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6102	CC1H101JLZCNG	CERAMIC 100P J 50V
C6103	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6105	CEXLB0J222VDN	ELECT 2200U M 6.3V
C6108	CC1H220JLZCNG	CERAMIC 22P J 50V
C6109	CK1H102KLZBNG	CERAMIC 1000P K 50V
C6110	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6111	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6112	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6113	CC1H220JLZCNG	CERAMIC 22P J 50V
C6200	CEXLB1H100VDN	ELECT 10U M 50V
C6201	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6204	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6205	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C6206	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6207	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6208	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C6209	CEXLB1H100VDN	ELECT 10U M 50V
C6210	CEXLB1H100VDN	ELECT 10U M 50V
C6213	CK1H222KLZBNG	CERAMIC 2200P K 50V
C6214	CK1H222KLZBNG	CERAMIC 2200P K 50V
C6271	CEXLB1H100VDN	ELECT 10U M 50V
C6272	CEXLB1H100VDN	ELECT 10U M 50V
C6273	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6274	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C6275	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C6276	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6277	CEXLB1H100VDN	ELECT 10U M 50V
C6278	CEXLB1H100VDN	ELECT 10U M 50V
C6279	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6280	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6332	CK1A105KLZBNG	CERAMIC 1U K 10V
C6350	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6351	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6352	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6354	CEXLB1C101VDN	ELECT 100U M 16V
C6355	CEXLB1H4R7VDN	ELECT 4.7U M 5V
C6356	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6357	CK1A105KLZBNG	CERAMIC 1U K 10V

Schematic Location	Part No.	Description
DIODES		
D801	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D821	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1221	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1222	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1261	DDRB551V-30-G	DIODE RB551V-30 TE-17
D1611	DDD1FM3—G	DIODE D1FM3
D1612	DDD1FM3—G	DIODE D1FM3
D1620	DZUDZS3.0B—G	ZD UDZS3.0B-TE-17
D1621	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1653	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1662	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1671	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1679	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1681	DDD1FM3—G	DIODE D1FM3
D1683	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
D1902	DLSLR343MC3FN	LED SLR-343MC3F
D2400	DDRB551V-30-G	DIODE RB551V-30 TE-17
D3216	DDRB551V-30-G	DIODE RB551V-30 TE-17
D6013	DDRB551V-30-G	DIODE RB551V-30 TE-17
D6052	DZUDZS3.0B—G	ZD UDZS3.0B-TE-17
D6053	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355 TE-17
ZD801	DZUDZS3.9B—G	ZD UDZS-TE-173.9B
ZD802	DZUDZS6.2B—G	ZENER DIODE UDZS6.2B TE-1
INTEGRATED CIRCUITS		
IC001	QLA42205-E—N	IC LA42205-E
IC800	QXXAAJQ0858—	IC LC87F5932AU-Y08LCD
	QXXAVC980—M	IC LC87F5932A-69R6-E
	QXXAVC974—M	IC LC87F5932AU-QIP-E
IC801	QLE24C042M-EP	IC LE24C042M-TLM-E
	QXXAVC820—P	IC AT24C04N-10SU-1.8
	QXXAVC844—P	IC CAT24C04WI-GT3
IC802	QTC7SET08FU-P	IC TC7SET08FU
IC803	QTC7SH08FU—P	IC TC7SH08FU
IC1220	QTC74HC123AFG	IC TC74HC123AF
IC1240	QM52055FP—P	IC M52055FP
IC1251	QCD4052BNSR-P	IC CD4052BNSR
	QTC4052BF—P	IC TC4052BF-EL
IC1600	QBD9842FV—P	IC BD9842FV-E2
IC1651	QMP2106DK—P	IC MP2106DK
IC1661	QPQ070XNA1ZPP	IC PQ070XNA1ZPH
IC1671	QXXAVC692—P	IC PQ1LAX95MSPQ

Schematic Location	Part No.	Description
IC1680	QLA5774MPE—P	IC LA5774MP-DL-E
IC1690	QPST600DMT—P	IC PST600DMT
IC2400	QXXAVC837—P	IC AT24C02BN-10SU-1.8
	QXXAVC986—P	IC CAT24C02WI-GT3
IC3200	QNJW1142CV—P	IC NJW1142CV
IC5500	QXXAVC968—M	IC ZR39770
IC5510	QTC7SZ08FU—P	IC TC7SZ08FU
IC5590	QTC7SH08FU—P	IC TC7SH08FU
IC5591	QTC7SH08FU—P	IC TC7SH08FU
IC5700	QXXAVC946—P	IC HYB18T256161BF-25
IC5750	QW25X32VSSIGM	IC W25X32VSSIG
	QXXAAJQ0875—	IC W25X32VSSIG N6CE
IC5900	QM51957BFP—P	IC M51957BFP
IC6050	QPQ070XNA1ZPP	IC PQ070XNA1ZPH
IC6051	QPQ070XNA1ZPP	IC PQ070XNA1ZPH
IC6060	QXXAVC976—P	IC PQ018EN02ZPH
IC6080	QXXAVC692—P	IC PQ1LAX95MSPQ
IC6200	QCS4352-CZZ-P	IC CS4352-CZZ
IC6270	QXXAVC944—P	IC WM8781GEDS/R

COILS

L001	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L002	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L003	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L004	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L005	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L006	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L801	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L802	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L803	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L804	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L805	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1000	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L1201	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L1221	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1241	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L1605	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1606	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1607	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1608	1LB4L26B0740G	INDUCTOR, 220 OHM
L1609	1LB4L26B0740G	INDUCTOR, 220 OHM
L1610	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1611	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1614	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1615	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1616	1AV4L2WK150MN	INDUCTOR, 15U M
	1LB4L26B1000N	INDUCTOR, 15UH
L1617	1AV4L2WK150MN	INDUCTOR, 15U M
	1LB4L26B1000N	INDUCTOR, 15UH
L1618	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1619	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1621	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1622	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1651	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
L1652	1AV4L2WK150MN	INDUCTOR, 15U M
	1LB4L26B1000N	INDUCTOR, 15UH
L1653	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1661	1LB4L26B0740G	INDUCTOR, 220 OHM
L1662	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1663	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1671	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1672	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1674	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1681	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1682	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1684	1AV4L2WK680MN	INDUCTOR, 68U M
	1LB4L26B1040N	INDUCTOR, 68UH
L1690	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1691	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1692	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1693	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1694	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1695	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1696	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1697	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1698	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1699	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1700	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1701	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1702	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1703	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1704	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1705	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1706	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1707	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1724	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1725	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1727	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1728	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1902	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5501	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5502	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5505	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5506	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5507	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5508	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5510	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5511	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5513	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5514	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5515	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L5517	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L5519	1LB4L26B0740G	INDUCTOR, 220 OHM
L5520	1LB4L26B0740G	INDUCTOR, 220 OHM
L5521	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L5524	1AV4L2GAR22JG	INDUCTOR, 0.22U J
L5528	1AV4L2FB3R3MG	INDUCTOR, 3.3U M
L5532	1AV4L2FB3R3MG	INDUCTOR, 3.3U M

Schematic Location	Part No.	Description
L7014	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L7015	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L7016	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L7017	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L7018	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

TRANSISTORS

Q801	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
Q802	T2SC3928A1S-P	TR 2SC3928A1S
	T2SA1037AK-RP	TR 2SA1037AK T146 R
	T2SA1037AK-SP	TR 2SA1037AK T146 S
	T2SA1235A1E-P	TR 2SA1235A1E
	T2SA1235A1F-P	TR 2SA1235A1F
	TISA1235AC1EP	TR ISA1235AC1E
Q805	TISA1235AC1FP	TR ISA1235AC1F
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
Q808	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SA1037AK-RP	TR 2SA1037AK T146 R
	T2SA1037AK-SP	TR 2SA1037AK T146 S
	T2SA1235A1E-P	TR 2SA1235A1E
	T2SA1235A1F-P	TR 2SA1235A1F
Q809	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
Q810	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
Q811	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SA1037AK-RP	TR 2SA1037AK T146 R
	T2SA1037AK-SP	TR 2SA1037AK T146 S
	T2SA1235A1E-P	TR 2SA1235A1E
	T2SA1235A1F-P	TR 2SA1235A1F
	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F

Schematic Location	Part No.	Description
Q813	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
Q814	T2SC3928A1S-P	TR 2SC3928A1S
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
Q1006	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
Q1007	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
Q1201	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
Q1202	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
Q1203	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S

Schematic Location	Part No.	Description
Q6063	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
Q6333	T2SC3928A1S-P	TR 2SC3928A1S
	T2SA1037AK-RP	TR 2SA1037AK T146 R
	T2SA1037AK-SP	TR 2SA1037AK T146 S
	T2SA1235A1E-P	TR 2SA1235A1E
	T2SA1235A1F-P	TR 2SA1235A1F
	TISA1235AC1EP	TR ISA1235AC1E
Q6350	TISA1235AC1FP	TR ISA1235AC1F
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
	T2SC2812N-L6P	TR 2SC2812N-L6-TB
Q6351	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	T2SC2412K-R-P	TR 2SC2412K-T-96-R
	T2SC2412K-S-P	TR 2SC2412K-T-96-S
	T2SC2812-L6-P	TR 2SC2812-L6-TB
	T2SC2812-L7-P	TR 2SC2812-L7-TB
Q6360	T2SC2812N-L6P	TR 2SC2812N-L6-TB
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TMCH6306——P	TR MCH6306-TL

RESISTORS

RB6352	1AV4R1D30R04G	R-NETWORK 0X4 1/32W
R001	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R002	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R003	RGF1801JTCANL	MT-GLAZE 1.8K JA 1/10W
R004	RGF1801JTCANL	MT-GLAZE 1.8K JA 1/10W
R007	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R008	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R016	RGA4700JTDANL	MT-GLAZE 470 JA 1/2W
R800	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R801	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R802	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R803	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R804	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R806	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R808	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R809	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R810	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R813	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R814	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R815	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R817	RGF1004JTCANL	MT-GLAZE 1M JA 1/10W
R818	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R820	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R821	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R824	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R828	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R829	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R830	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R831	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R832	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R833	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R834	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R835	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R836	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R838	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R839	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R840	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R841	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R842	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R843	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R844	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R845	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R847	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R848	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R850	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R855	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R856	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R857	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R860	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R866	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R867	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R869	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R870	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R871	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R873	RGF4703JTCANL	MT-GLAZE 470K JA 1/10W
R875	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R876	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R879	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R880	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R881	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R882	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R883	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R884	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R886	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R887	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R888	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R890	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R891	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R892	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R893	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R894	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R897	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R900	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R901	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R902	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R904	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
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R905	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R906	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R907	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R908	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R909	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R910	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R911	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R913	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R914	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R915	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R916	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R917	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R918	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R1000	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1002	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1004	RGF2200JTCANL	MT-GLAZE 220 JA 1/10W
R1005	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1007	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1008	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1009	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1010	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1011	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1012	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1013	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1014	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1019	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1021	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1025	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1031	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1037	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1043	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1049	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1051	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R1052	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1053	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1054	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R1055	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1056	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1057	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1058	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1059	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1060	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1061	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1062	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1063	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1064	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1065	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1066	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1067	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1068	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1069	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1070	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1071	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1072	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W

Schematic Location	Part No.	Description
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R1073	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1074	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R1075	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R1201	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1202	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1203	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1204	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1205	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1206	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1207	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1208	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1209	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1210	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1230	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1231	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1232	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1233	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1235	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1236	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1237	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1238	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1244	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1245	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1259	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1260	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1261	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1263	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1264	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1265	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1266	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1267	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1268	RGF15R0JTCANL	MT-GLAZE 15 JA 1/10W
R1269	RGF15R0JTCANL	MT-GLAZE 15 JA 1/10W
R1270	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1271	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1272	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1273	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1274	RGF15R0JTCANL	MT-GLAZE 15 JA 1/10W
R1275	RGF15R0JTCANL	MT-GLAZE 15 JA 1/10W
R1276	RGF15R0JTCANL	MT-GLAZE 15 JA 1/10W
R1277	RGF15R0JTCANL	MT-GLAZE 15 JA 1/10W
R1278	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1279	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1280	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1281	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1282	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1283	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1291	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1294	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1297	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1300	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1301	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1302	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1303	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R1304	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1305	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1306	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1601	1AV4L26B1940G	INDUCTOR, 120 OHM
R1601	1LB4L26B0700G	INDUCTOR, 120 OHM
R1602	1AV4L26B1940G	INDUCTOR, 120 OHM
R1602	1LB4L26B0700G	INDUCTOR, 120 OHM
R1603	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1609	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R1610	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R1611	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1612	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1613	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1615	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1616	RGF6802JTCANL	MT-GLAZE 68K JA 1/10W
R1617	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1618	RGF6801JTCANL	MT-GLAZE 6.8K JA 1/10W
R1619	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1620	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1621	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1622	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1623	RN1R005JTFANL	MT-FILM 0.005 JA 1W
R1624	RN1R005JTFANL	MT-FILM 0.005 JA 1W
R1625	RGF2200JTCANL	MT-GLAZE 220 JA 1/10W
R1626	RGF1201FTCANL	MT-GLAZE 1.2K FA 1/10
R1630	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1631	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1632	RGF8200FTCANL	MT-GLAZE 820 FA 1/10
R1633	RGF4701FTCANL	MT-GLAZE 4.7K FA 1/10W
R1653	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1654	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1655	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1657	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1660	RGF9101JTCANL	MT-GLAZE 9.1K JA 1/10W
R1661	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1662	RGF5600FTCANL	MT-GLAZE 560 FA 1/10W
R1663	RGF2701FTCANL	MT-GLAZE 2.7K FA 1/10W
R1664	RGF1001FTCANL	MT-GLAZE 1K FA 1/10W
R1665	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1666	RGF4702FTCANL	MT-GLAZE 47K FA 1/10W
R1667	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1671	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1672	RGF6801FTCANL	MT-GLAZE 6.8K FA 1/10W
R1673	RGF5602FTCANL	MT-GLAZE 56K FA 1/10W
R1674	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1675	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1676	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R1679	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R1680	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R1681	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1682	RGF1501FTCANL	MT-GLAZE 1.5K FA 1/10W
R1683	RGF1501FTCANL	MT-GLAZE 1.5K FA 1/10W
R1684	RGF1001FTCANL	MT-GLAZE 1K FA 1/10W
R1685	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
R1691	RGF1202JTCANL	MT-GLAZE 12K JA 1/10W
R1692	RGF1202JTCANL	MT-GLAZE 12K JA 1/10W
R1694	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1696	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1901	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1902	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1903	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1904	RGF1801JTCANL	MT-GLAZE 1.8K JA 1/10W
R1905	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1906	RGF3901JTCANL	MT-GLAZE 3.9K JA 1/10W
R1907	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R1909	RGF2200JTCANL	MT-GLAZE 220 JA 1/10W
R1910	RGF2200JTCANL	MT-GLAZE 220 JA 1/10W
R1911	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1912	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2400	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2401	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2402	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2403	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2404	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2405	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2406	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2407	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2408	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2409	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2410	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2412	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2413	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2414	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2415	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2416	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2417	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R2418	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R2419	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2420	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2421	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R3200	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R3201	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5505	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R5507	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5509	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5513	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5514	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5515	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5516	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5517	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R5518	RGF56R0JTCANL	MT-GLAZE 56 JA 1/10W
R5519	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5520	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5521	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5522	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5523	RGF8200FTCANL	MT-GLAZE 820 FA 1/10
R5524	RGF5600JTCANL	MT-GLAZE 560 JA 1/10W
R5525	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R5526	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5527	RGF27R0JTCANL	MT-GLAZE 27 JA 1/10W
R5530	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5531	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5533	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5535	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5536	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5538	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5539	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5541	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5542	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5543	RGF3900FTCANL	MT-GLAZE 390 FA 1/10W
R5544	RGF3900FTCANL	MT-GLAZE 390 FA 1/10W
R5545	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5547	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5548	RGF1004JTCANL	MT-GLAZE 1M JA 1/10W
R5549	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5550	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5551	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5552	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5553	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R5554	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5555	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R5556	RGF6202JTCANL	MT-GLAZE 62K JA 1/10W
R5557	RGF18R0JTCANL	MT-GLAZE 18 JA 1/10W
R5558	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5559	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5560	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5561	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5562	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5563	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5564	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5565	RGF1201JTCANL	MT-GLAZE 1.2K JA 1/10W
R5566	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5568	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5569	RGF1201JTCANL	MT-GLAZE 1.2K JA 1/10W
R5571	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5572	RGF1201JTCANL	MT-GLAZE 1.2K JA 1/10W
R5574	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5576	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5579	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5580	RGF3901JTCANL	MT-GLAZE 3.9K JA 1/10W
R5581	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5582	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5583	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5586	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5587	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5588	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5589	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5590	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R5591	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5592	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5593	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5595	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W

Schematic Location	Part No.	Description
R5596	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5597	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5598	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5599	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5600	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5601	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5602	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5603	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5604	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5605	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5606	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5607	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5611	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5613	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5614	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R5615	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5616	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5617	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5618	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5619	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5622	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5625	RGF3301FTCANL	MT-GLAZE 3.3K FA 1/10W
R5626	RGF8200FTCANL	MT-GLAZE 820 FA 1/10
R5628	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5629	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5632	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5634	RGF1201JTCANL	MT-GLAZE 1.2K JA 1/10W
R5700	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5750	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5751	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5754	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5800	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5801	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5802	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5803	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5804	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5805	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5806	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5807	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5808	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5809	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5810	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5811	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5816	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5817	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5818	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5820	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5821	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5822	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5824	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5826	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5828	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5836	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5837	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W

Schematic Location	Part No.	Description
R5838	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5840	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5842	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5843	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R5901	RGF1202JTCANL	MT-GLAZE 12K JA 1/10W
R5902	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5903	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R5904	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R5905	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5906	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5907	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5908	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R5953	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5954	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5955	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5956	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5957	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5958	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5971	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R5972	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R5973	RGF1502JTCANL	MT-GLAZE 15K JA 1/10W
R5974	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5975	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5977	RGF1502JTCANL	MT-GLAZE 15K JA 1/10W
R6050	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6051	RGF5600FTCANL	MT-GLAZE 560 FA 1/10W
R6052	RGF1501FTCANL	MT-GLAZE 1.5K FA 1/10W
R6053	RGF1201FTCANL	MT-GLAZE 1.2K FA 1/10
R6054	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6055	RGF1001FTCANL	MT-GLAZE 1K FA 1/10W
R6056	RGF75R0FTCANL	MT-GLAZE 75 FA 1/10W
R6057	RGF1501FTCANL	MT-GLAZE 1.5K FA 1/10W
R6064	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6065	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6082	RGF1501FTCANL	MT-GLAZE 1.5K FA 1/10W
R6083	RGF3301FTCANL	MT-GLAZE 3.3K FA 1/10W
R6084	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6111	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6112	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6201	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6203	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6205	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6214	RGF5600JTCANL	MT-GLAZE 560 JA 1/10W
R6215	RGF5600JTCANL	MT-GLAZE 560 JA 1/10W
R6222	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6223	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6224	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6225	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6271	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6272	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6273	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6278	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6280	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6281	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W

Schematic Location	Part No.	Description
R6282	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6283	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R6284	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6286	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6330	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6332	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6334	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6336	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6338	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R6339	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6350	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6359	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R6364	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6366	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6372	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6373	RGF3902JTCANL	MT-GLAZE 39K JA 1/10W
R6374	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6375	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6376	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6500	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6509	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6522	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6523	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6624	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6627	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W

SWITCHES

SW1901	1AV4S10B0900J	SWITCH, PUSH 1P-1T
	1AV4S10B5650J	SWITCH, PUSH 1P-1TX1
SW1902	1AV4S10B0900J	SWITCH, PUSH 1P-1T
	1AV4S10B5650J	SWITCH, PUSH 1P-1TX1
SW1903	1AV4S10B0900J	SWITCH, PUSH 1P-1T
	1AV4S10B5650J	SWITCH, PUSH 1P-1TX1
SW1904	1AV4S10B0900J	SWITCH, PUSH 1P-1T
	1AV4S10B5650J	SWITCH, PUSH 1P-1TX1
SW1905	1AV4S10B0900J	SWITCH, PUSH 1P-1T
	1AV4S10B5650J	SWITCH, PUSH 1P-1TX1

CRYSTAL / FILTERS

X801	1AV4V11B1771G	OSC, CERAMIC 8.00MHZ
X5500	1AV4V10B8910G	OSC, CRYSTAL 25.000MHZ

Schematic Location	Part No.	Description
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MISCELLANEOUS

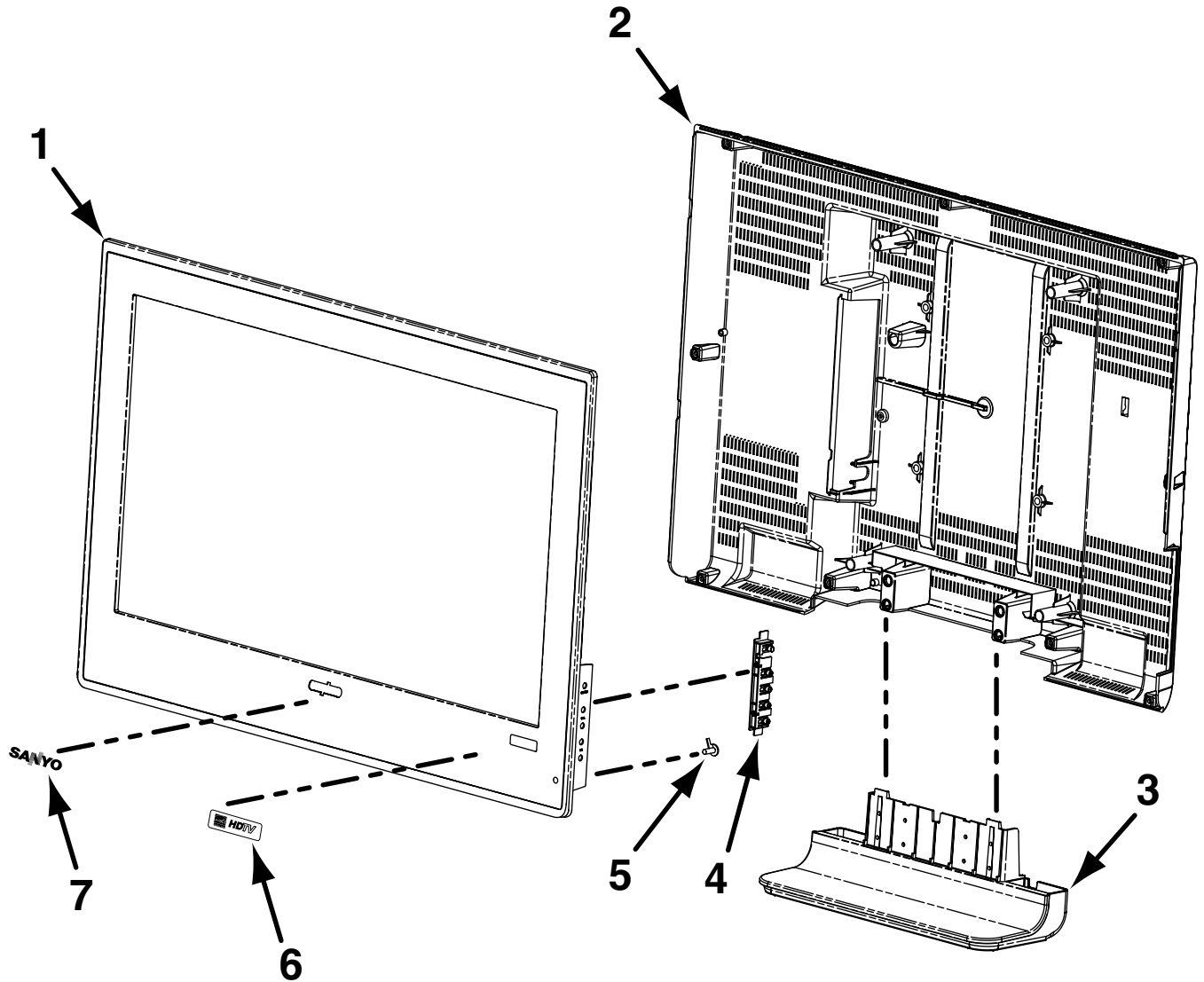
A001	1AA0B10N237A0	ASSY, PWB, MAIN_Z-N4TP
A002	1AA0B10N225E0	ASSY, PWB, CONTROL-N6FE
A003	1AA0B10N24400	ASSY, PWB, SUB PC-N6CE
A1902	1AV4U20B99401	UNIT, REMOCON RECEIVER
⚠A6100	1AV4F1BAZ0080	TUNER, U/V
⚠EL901	1AV4T40B83200	LCD (T190PW01 V0)
K1003	1LB4J31B01101	TERMINAL, BOARD
K1004	1LB4J12B11700	JACK, RCA-9
K1005	1LB4J12B11600	JACK, RCA-6
SP901	1LB4A10B09400	SPEAKER, 8
SP902	1LB4A10B09400	SPEAKER, 8
⚠W901	1AV4W10B17900	CORD, POWER-2.0MK-VTR-02
	1AV4W10B19800	CORD, POWER-2.0MK-VTR-02
WK5LV-	1LB4W30B11600	CORD 30P, 10P-30P(LVDS)

Schematic Location	Part No.	Description
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POWER BOARD

⚠U901	1LB4U20B02300	UNIT, POWER
Non-servicable part. No discreet parts are supplied for this PC board.		

CABINET PARTS LIST



CABINET PARTS LIST

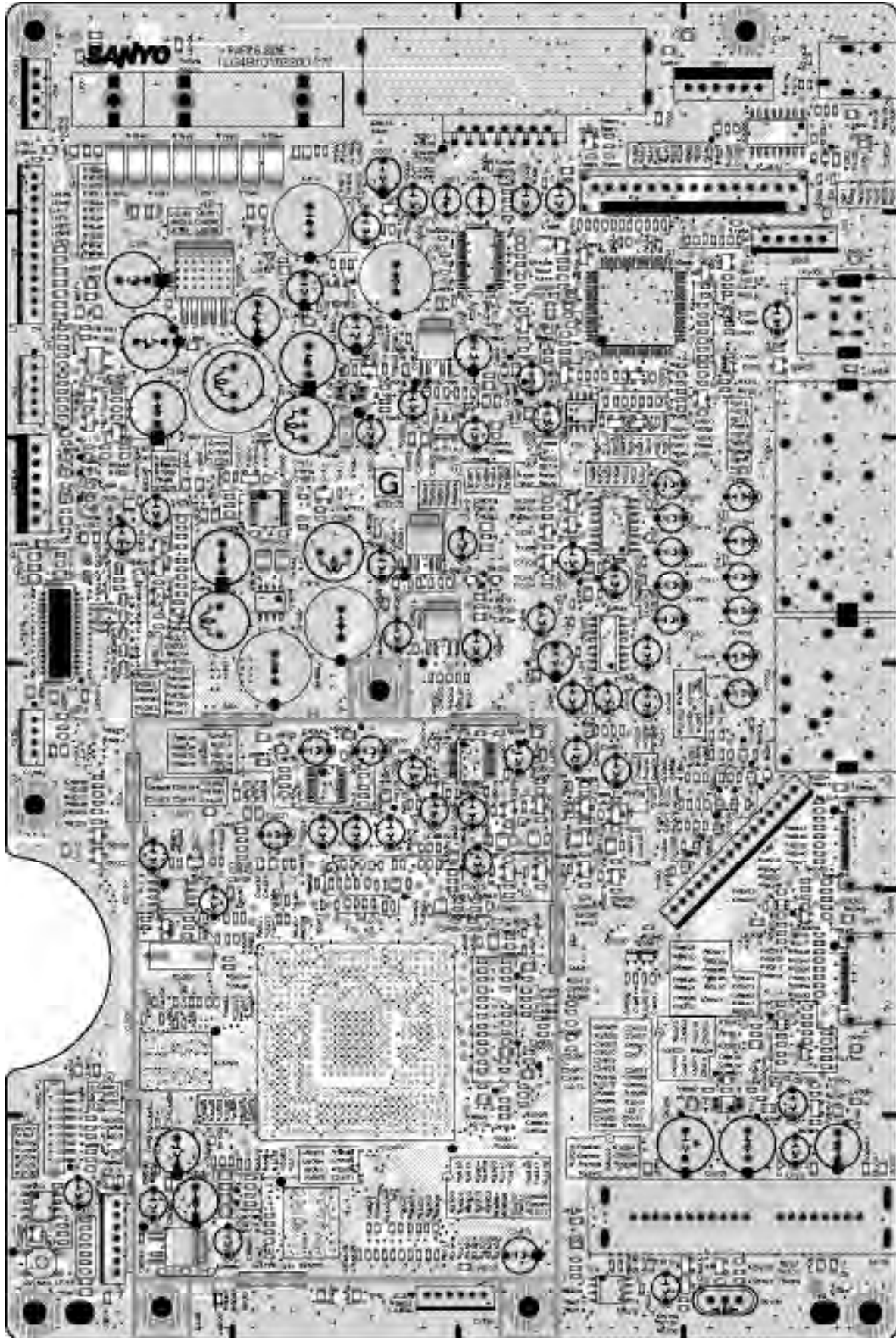
KEY NO.	PARTS NO.	DESCRIPTION
1	1AA2CAM0588-A	CABINET FRONT
2	1AA2CBM0429A-	CABINET BACK
3	1AA2SDM0172-A	STAND COVER
4	1AA2BUM0529-A	BUTTON UNITED
5	1AA2DEM0444--	DEC IND
6	1AA2DES0915-A	DEC SHEET HDTV
7	1AV2BAAS016AA	BADGE, SANYO

ACCESSORY PARTS LIST

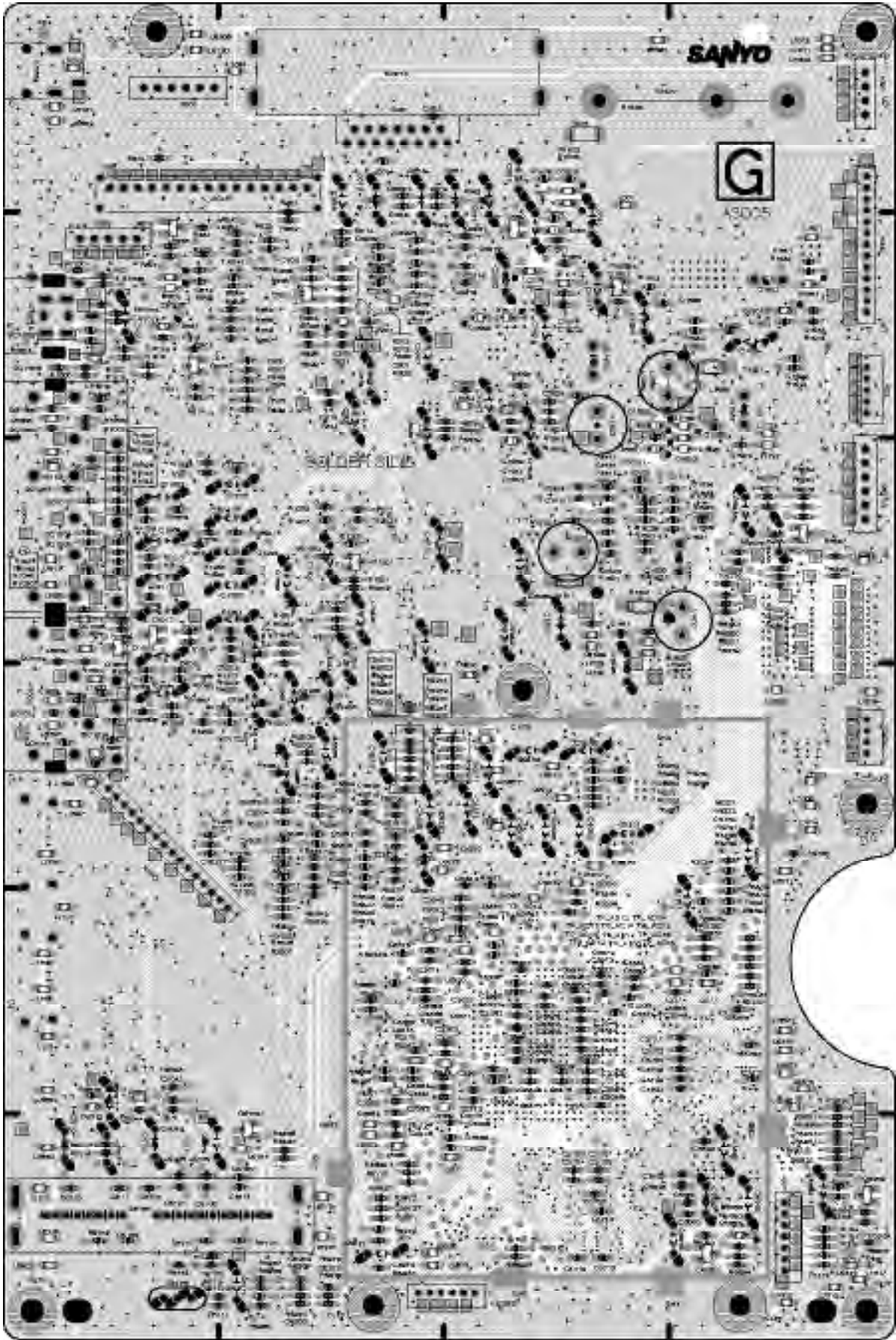
KEY NO.	PARTS NO.	DESCRIPTION
	1JC6P1P0301-	OWNERS MANUAL
	1LB0U10B01803	REMOCON, GXCC
	1AA2RCM0305-B	RC-BATTERY LID-GXCB

COMPONENT AND TESTPOINT LOCATIONS

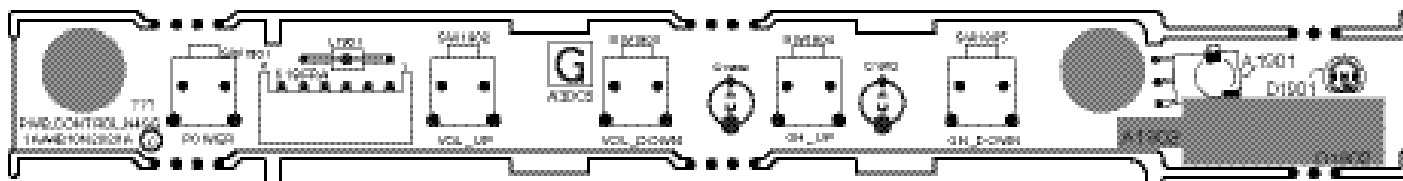
MAIN BOARD PARTS SIDE



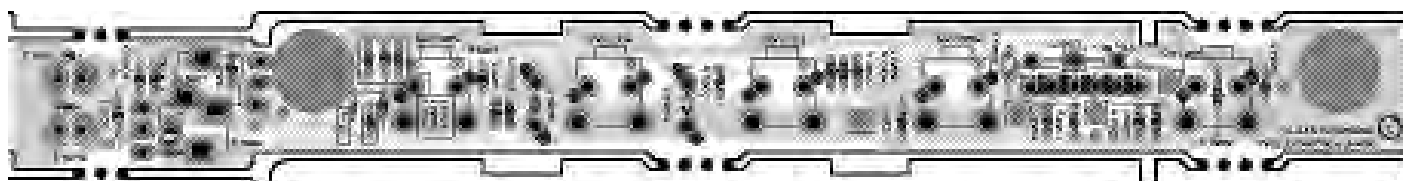
MAIN BOARD SOLDER SIDE



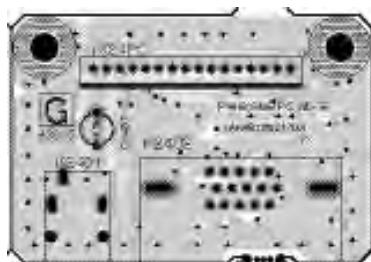
CONTROL BOARD PART SIDE



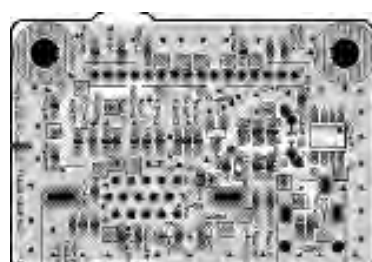
CONTROL BOARD SOLDER SIDE



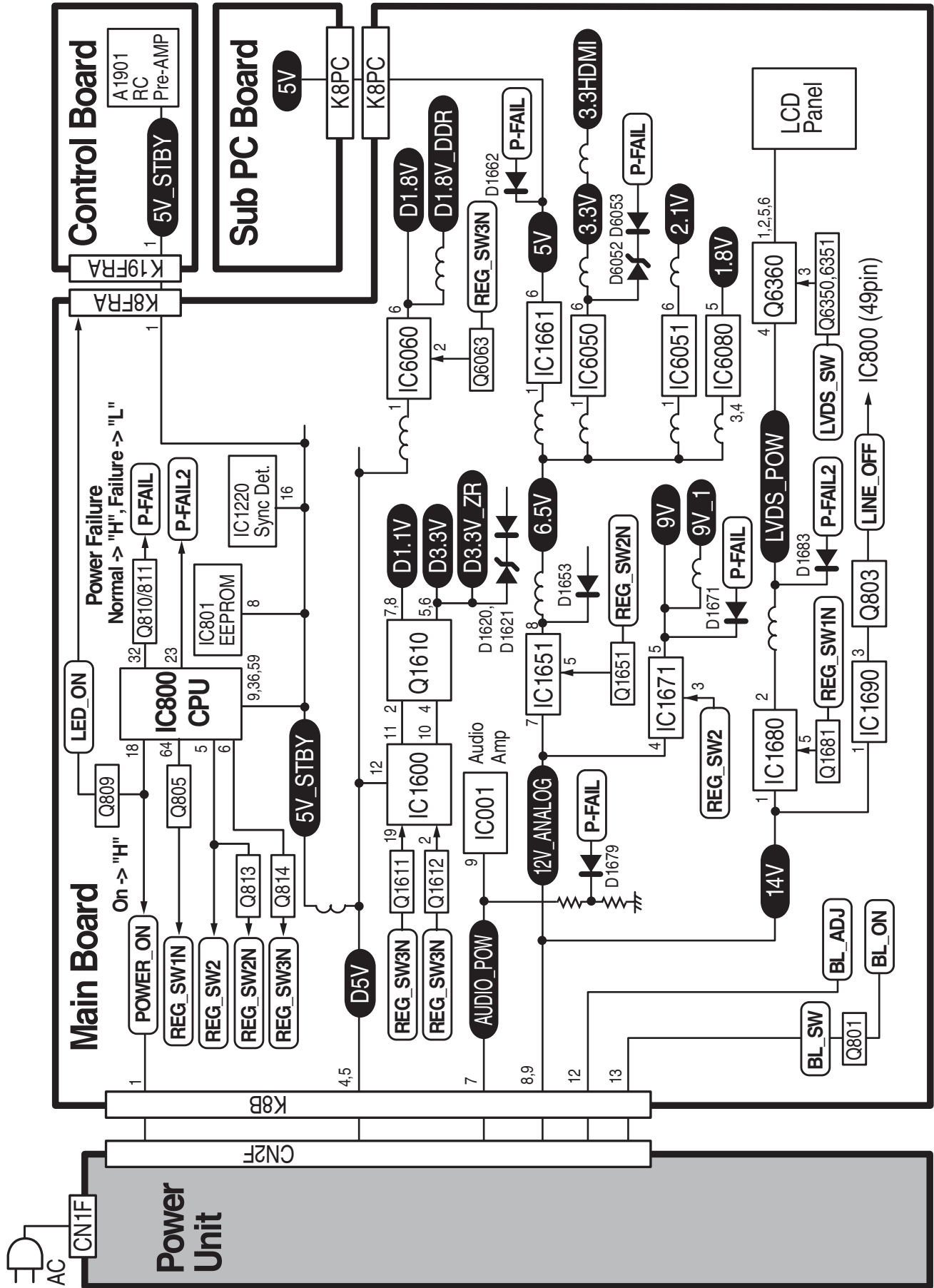
PC BOARD PART SIDE



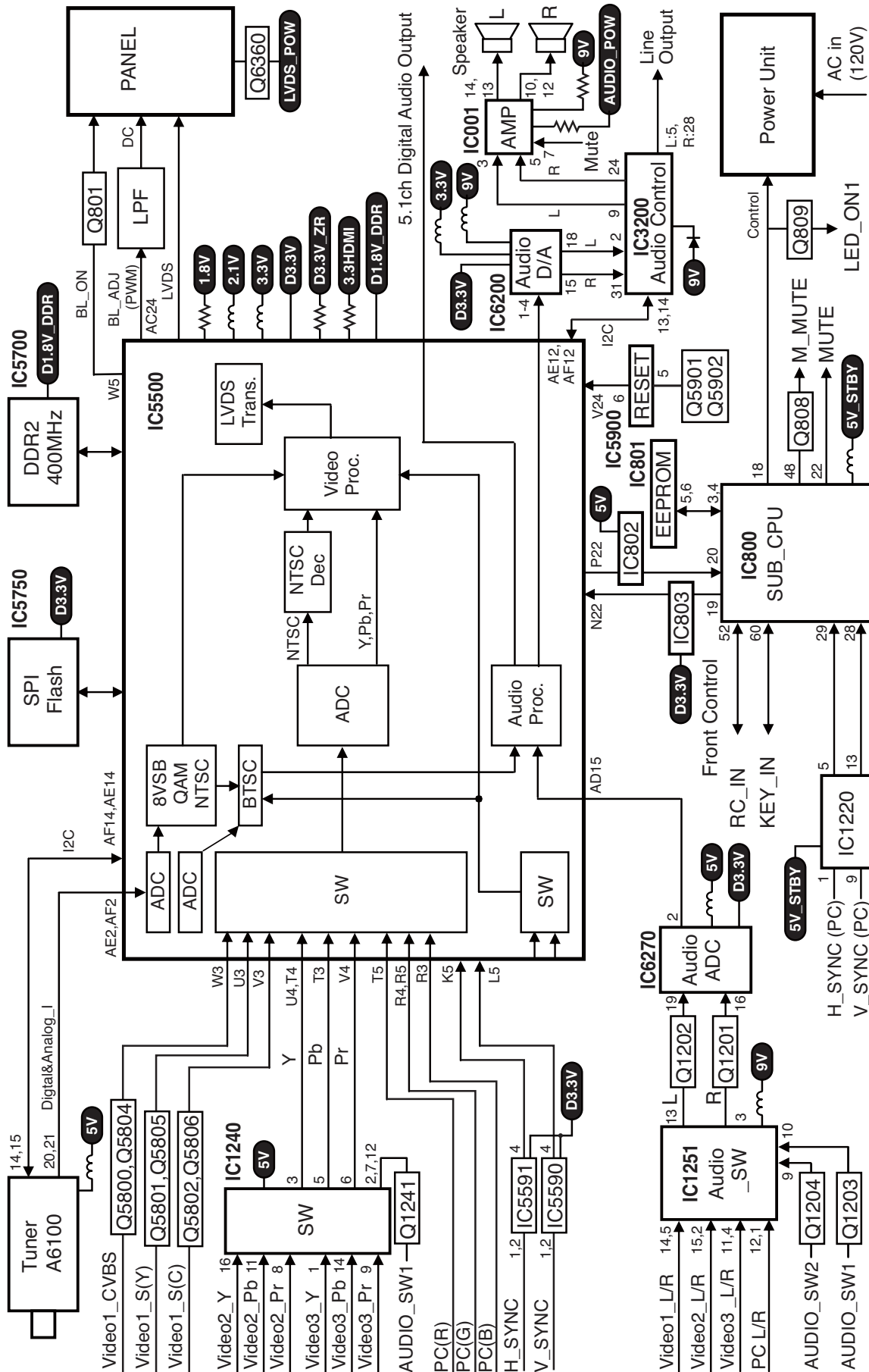
PC BOARD SOLDER SIDE



BLOCK DIAGRAM POWER LINES

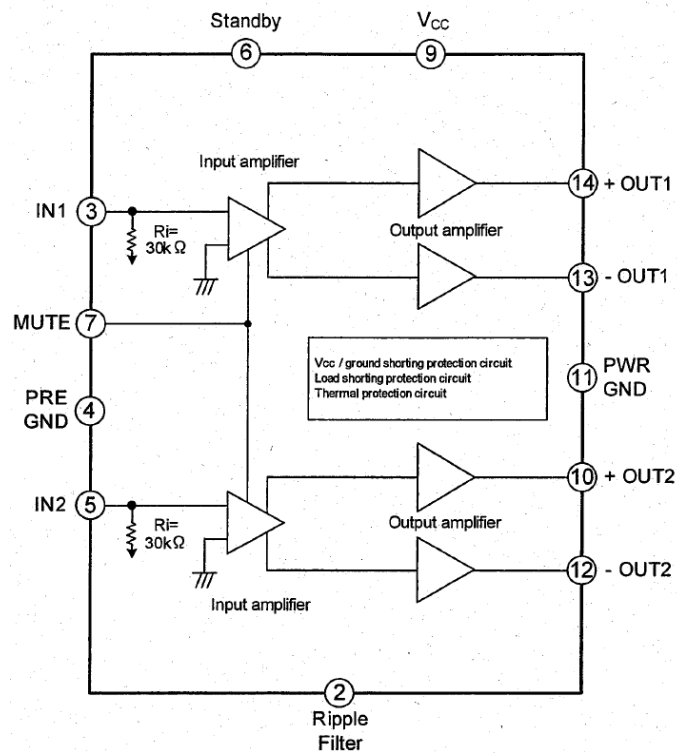


BLOCK DIAGRAM SIGNAL LINES

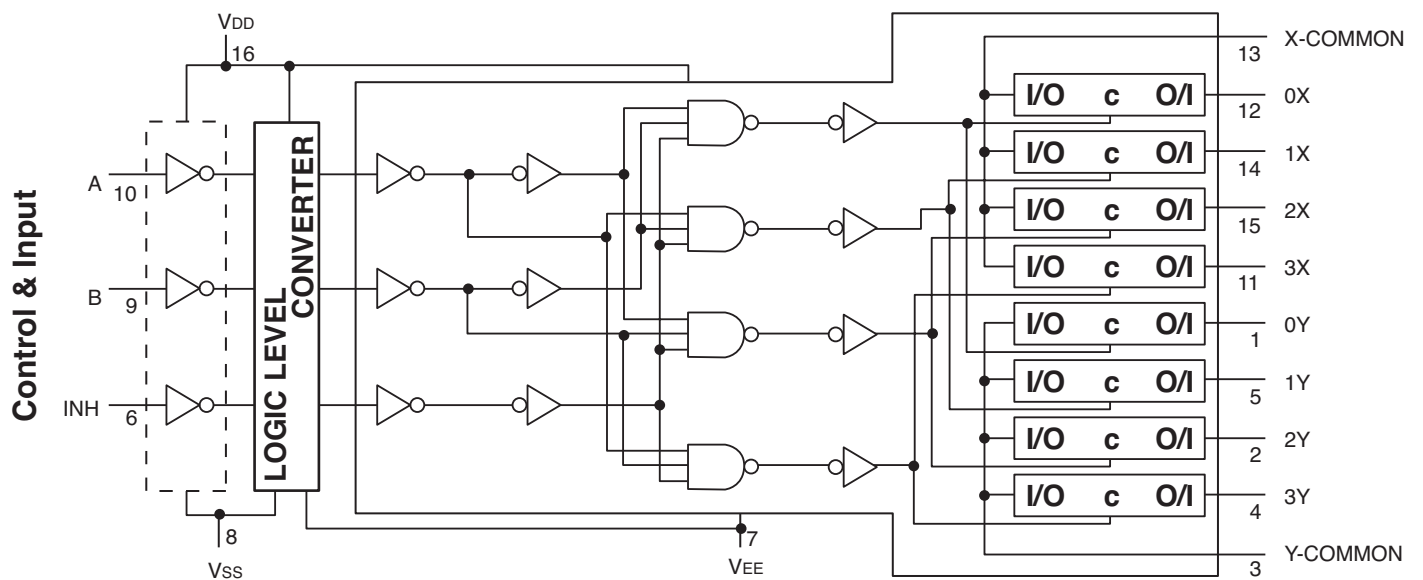


IC BLOCK DIAGRAMS

IC001, Audio AMP

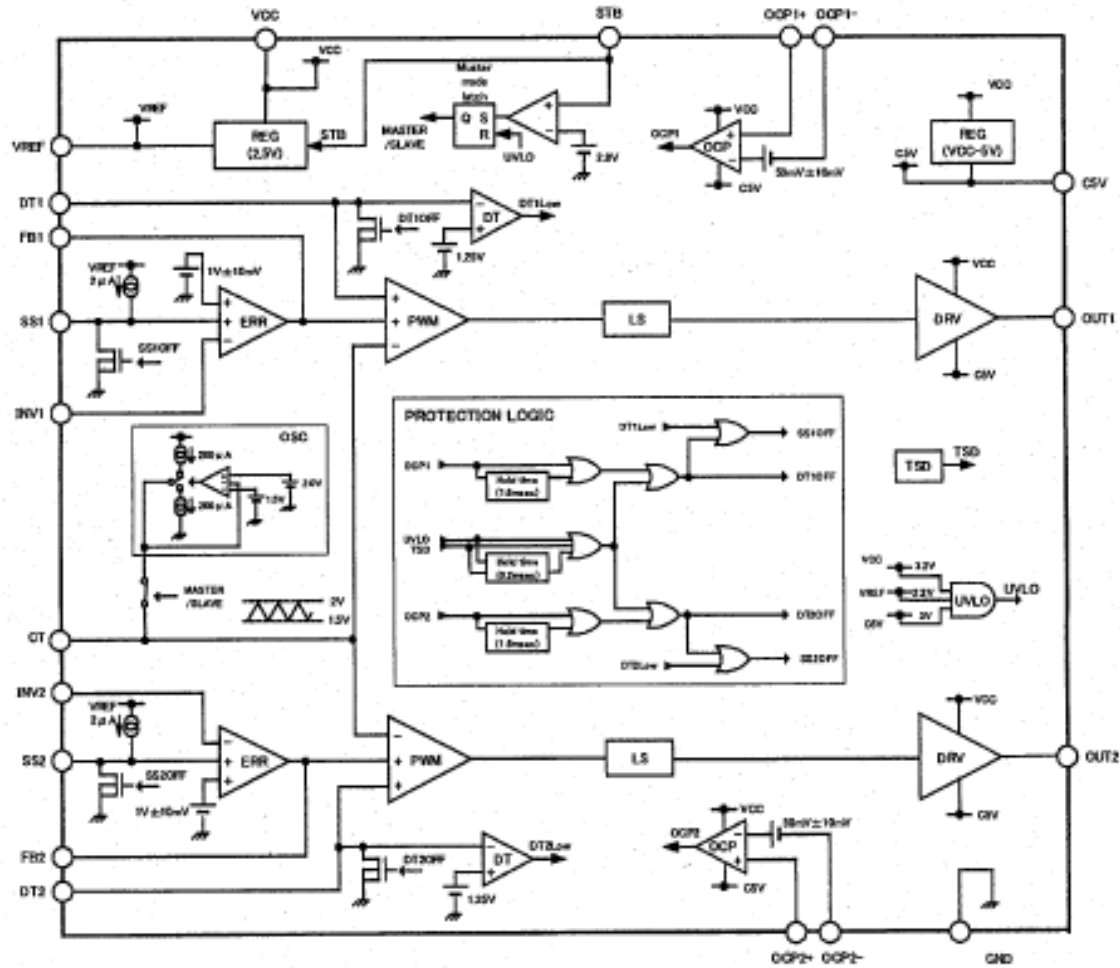


IC1251 Audio Select

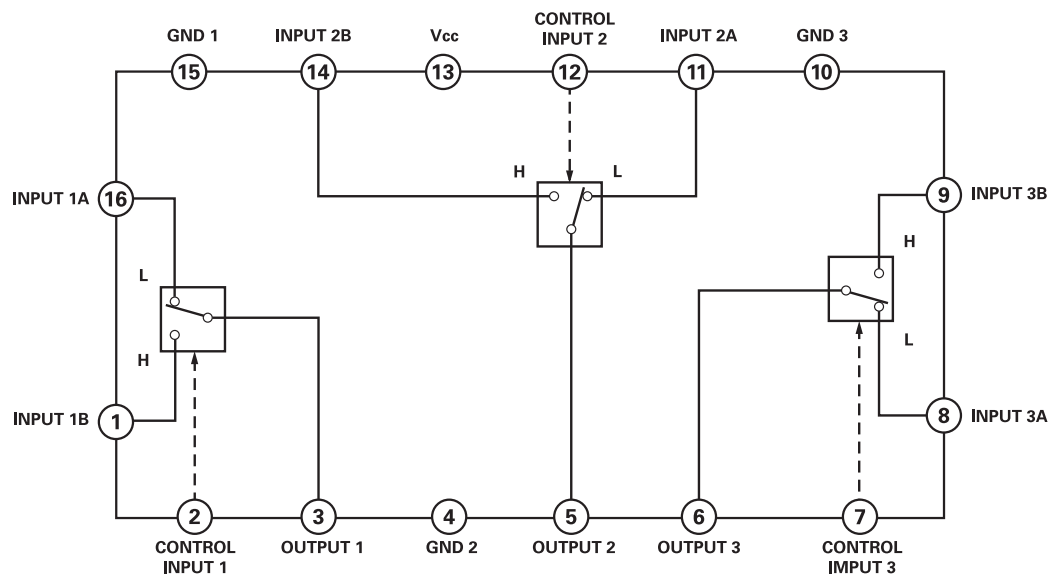


IC BLOCK DIAGRAMS (CONT.)

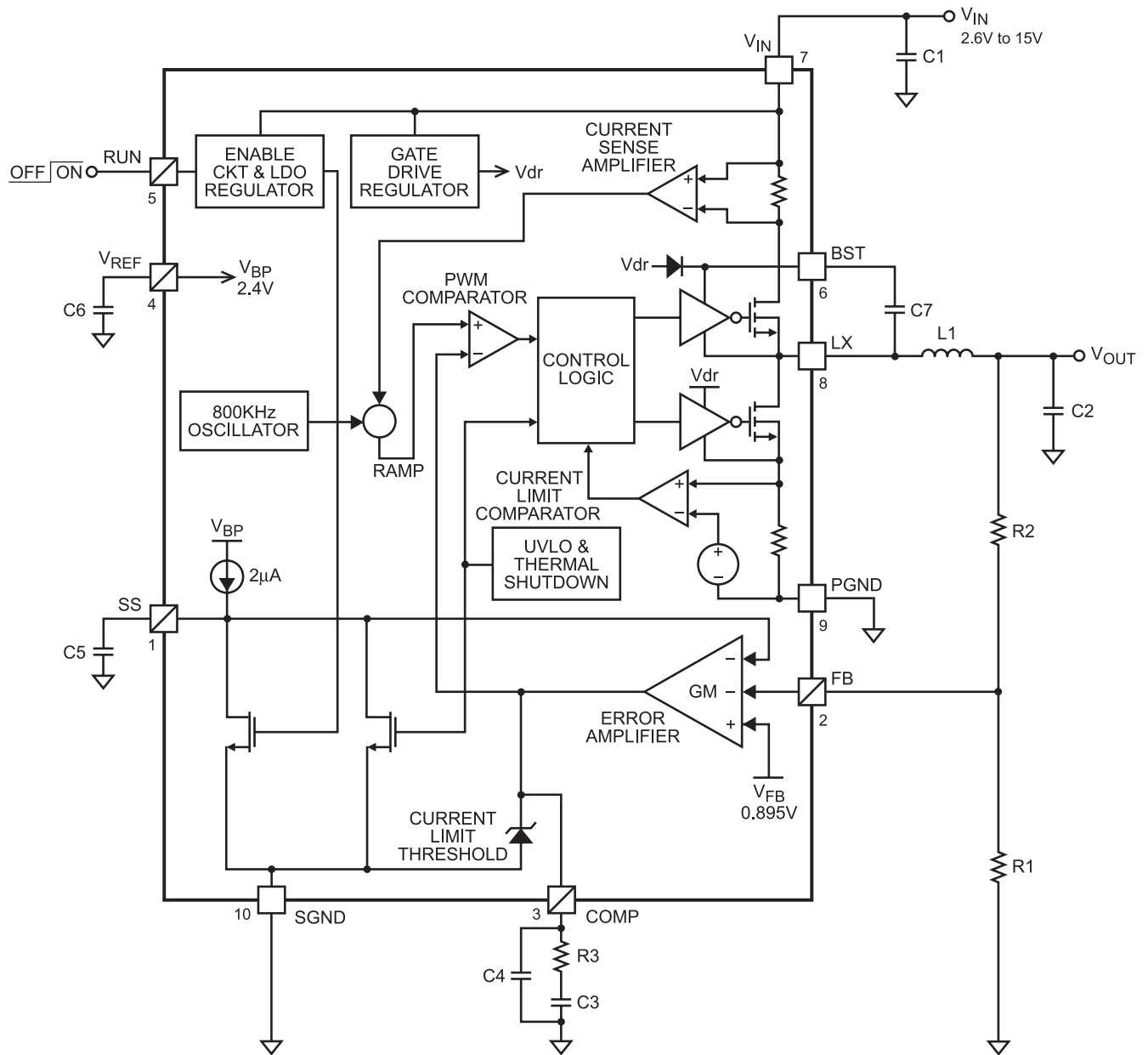
IC1600, DC to DC Converter



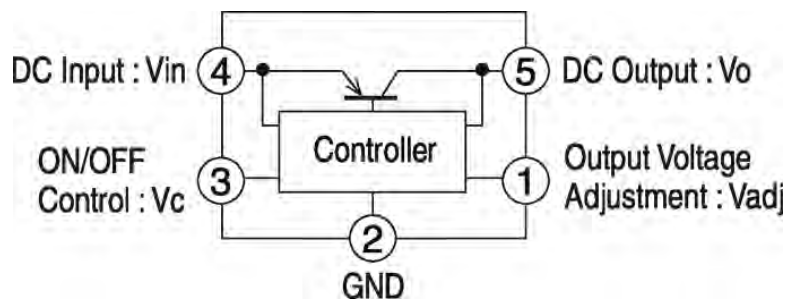
IC1240, Component Selector



IC1651, DC to DC Converter

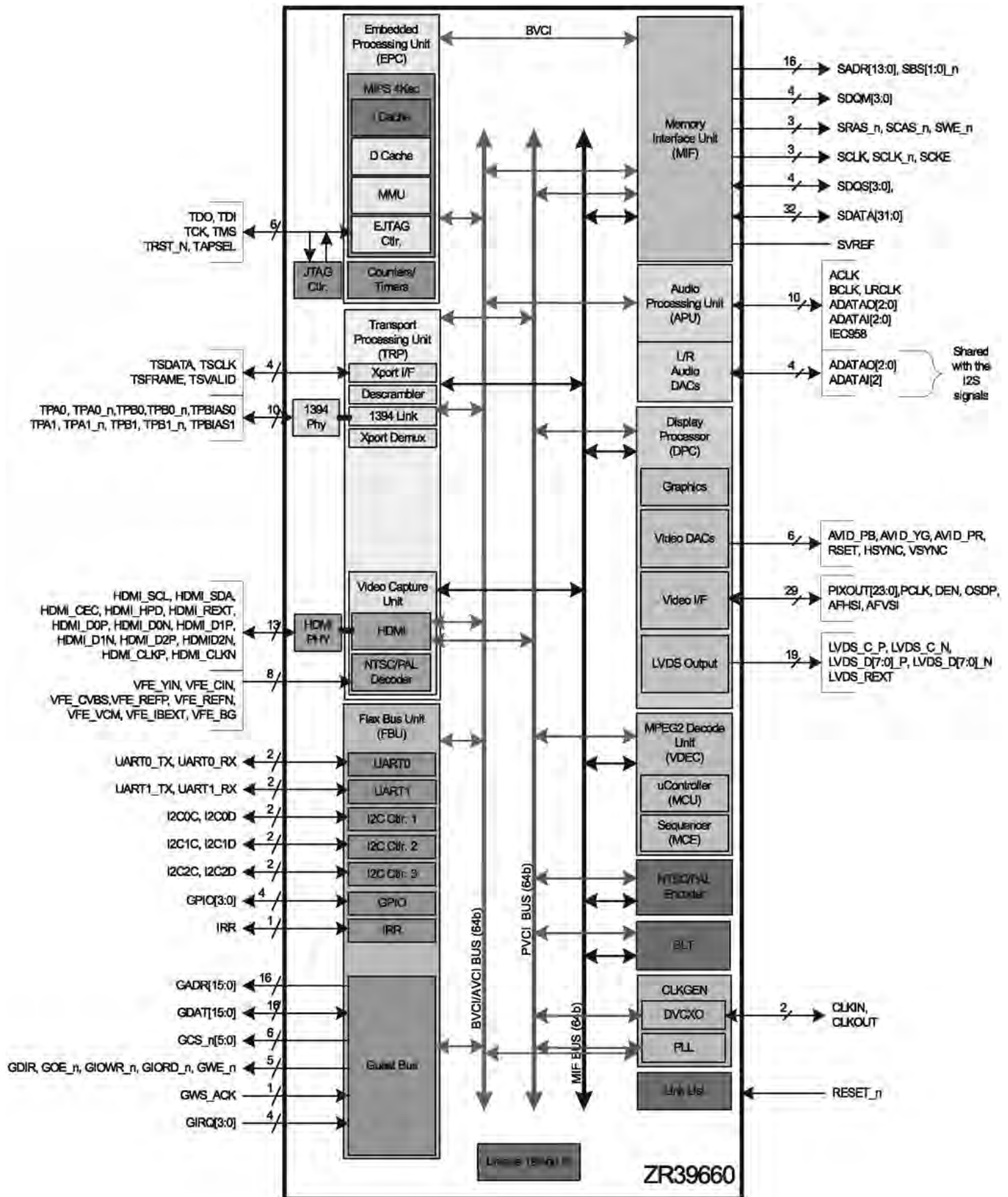


IC1671, DC to DC Converter

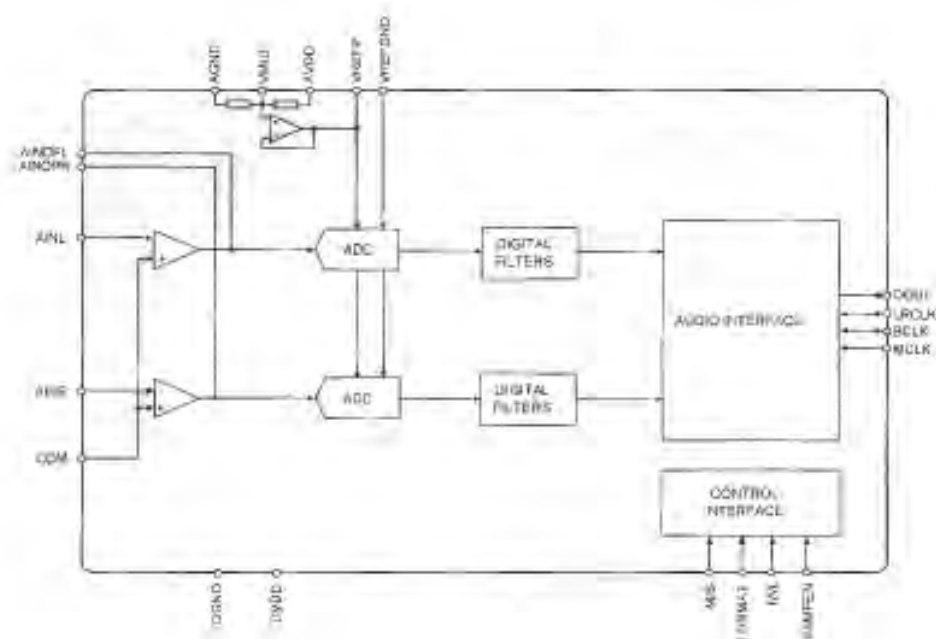


IC BLOCK DIAGRAMS (CONT.)

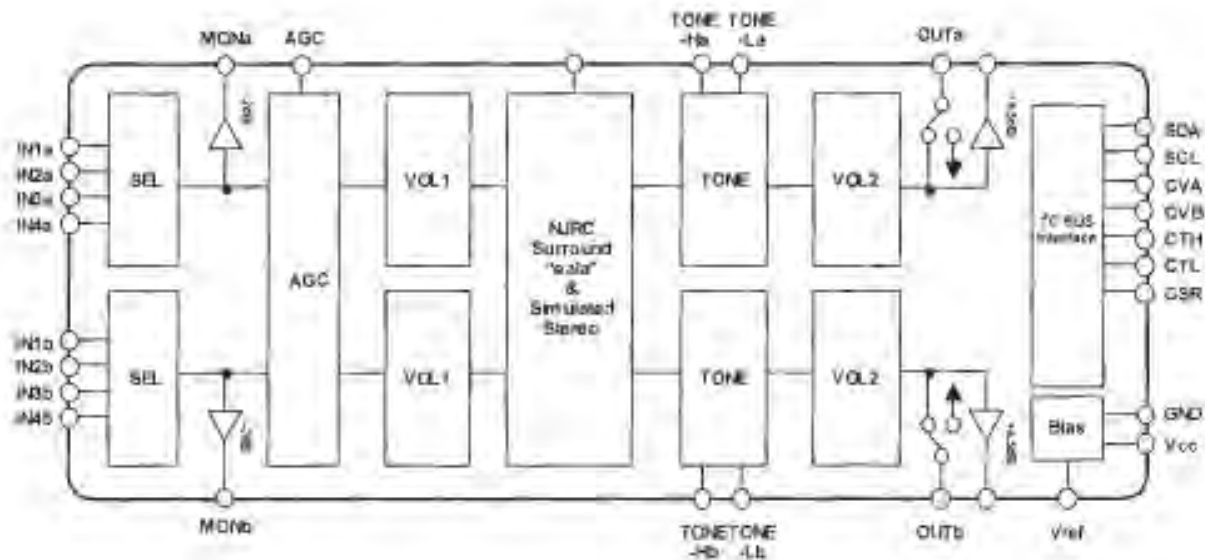
IC5500 Screen Controller



IC6270, Audio A/D

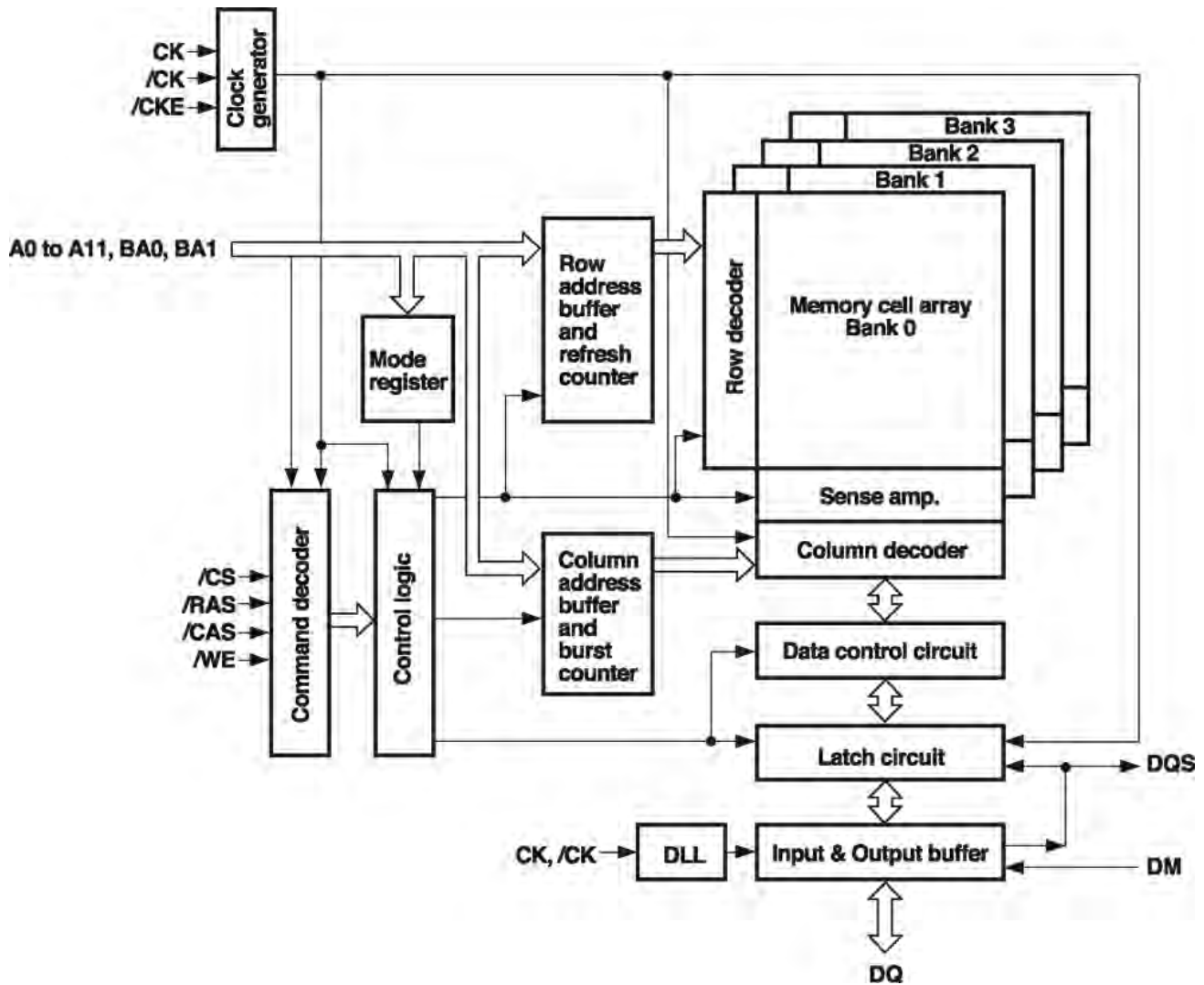


IC3200, Audio Controller



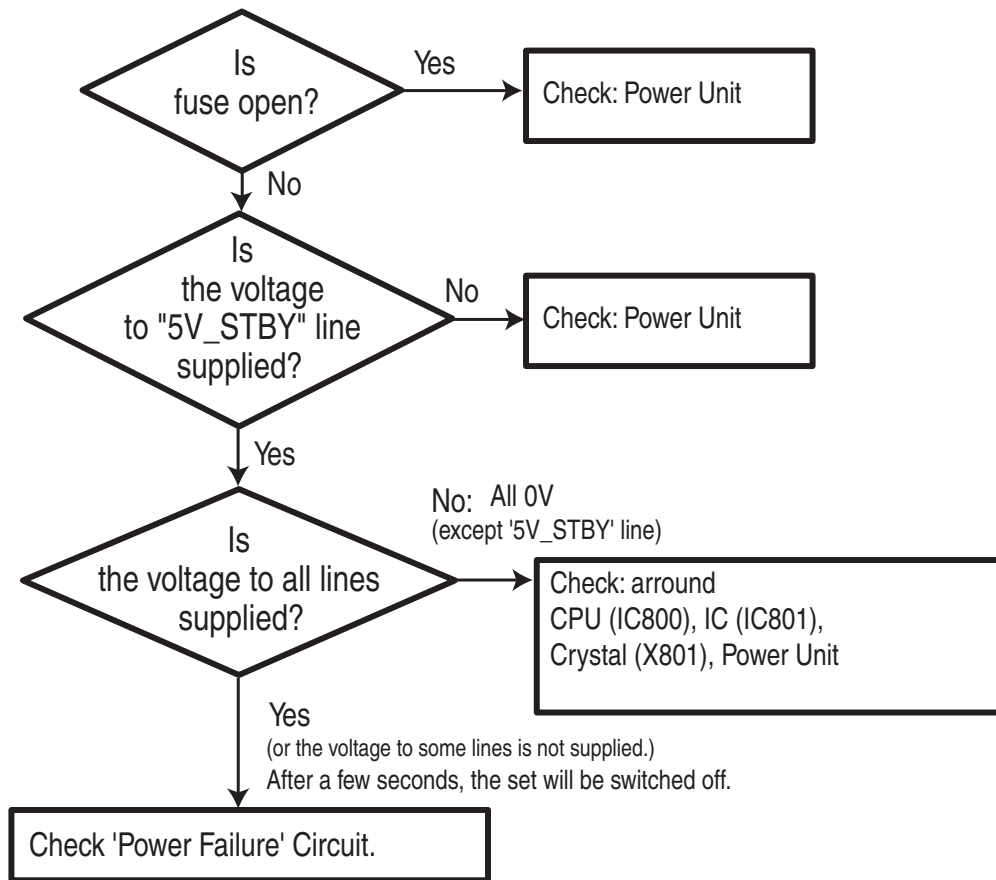
IC BLOCK DIAGRAMS (CONT.)

IC5700, DDR: Double Data Rate SDRAM



TROUBLESHOOTING FLOW CHARTS

NO POWER



Power Failure Line

CPU (IC800) 32pin

Q810, Q811

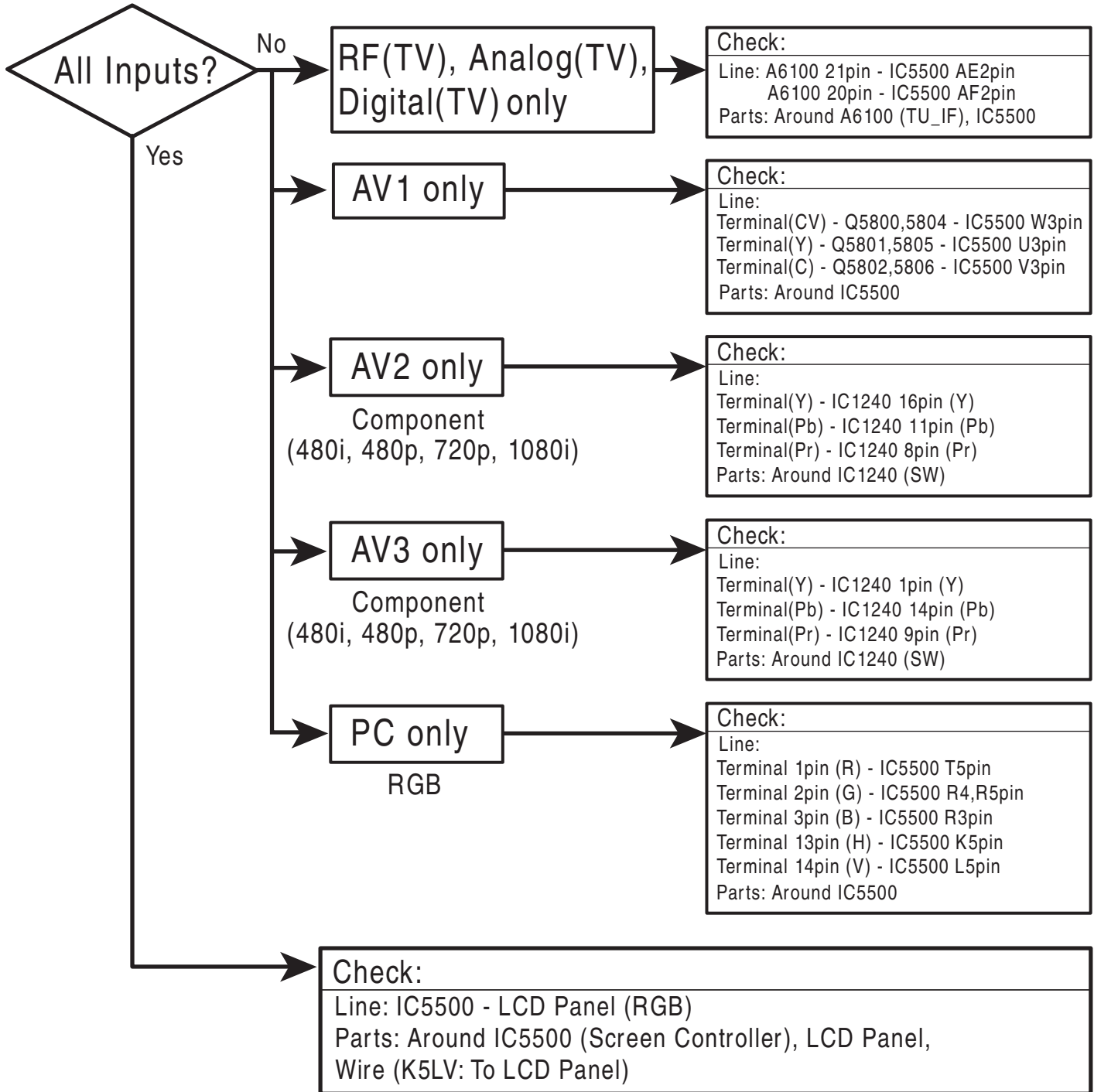
Diod	Detected Voltage
D1671	9V
D6052/D6053	3.3V
D1620/D1621	D3.3V
D1662	5V
D1653	6.5V
D1679	AUDIO_POW

CPU (IC800) 23pin

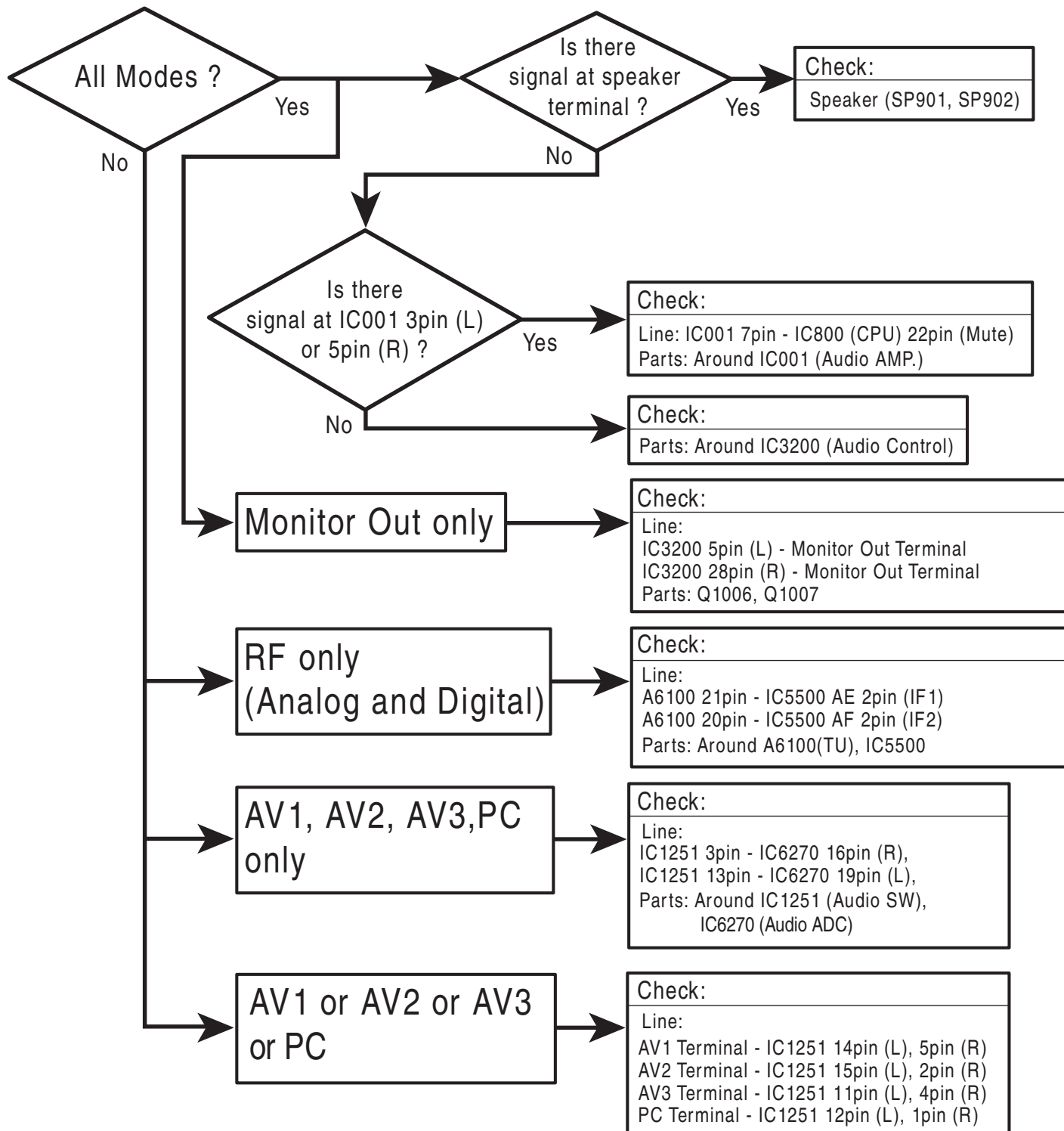
Diod	Detected Voltage
D1683	LVDS_POW

TROUBLESHOOTING FLOW CHARTS (CONT.)

NO VIDEO



NO AUDIO



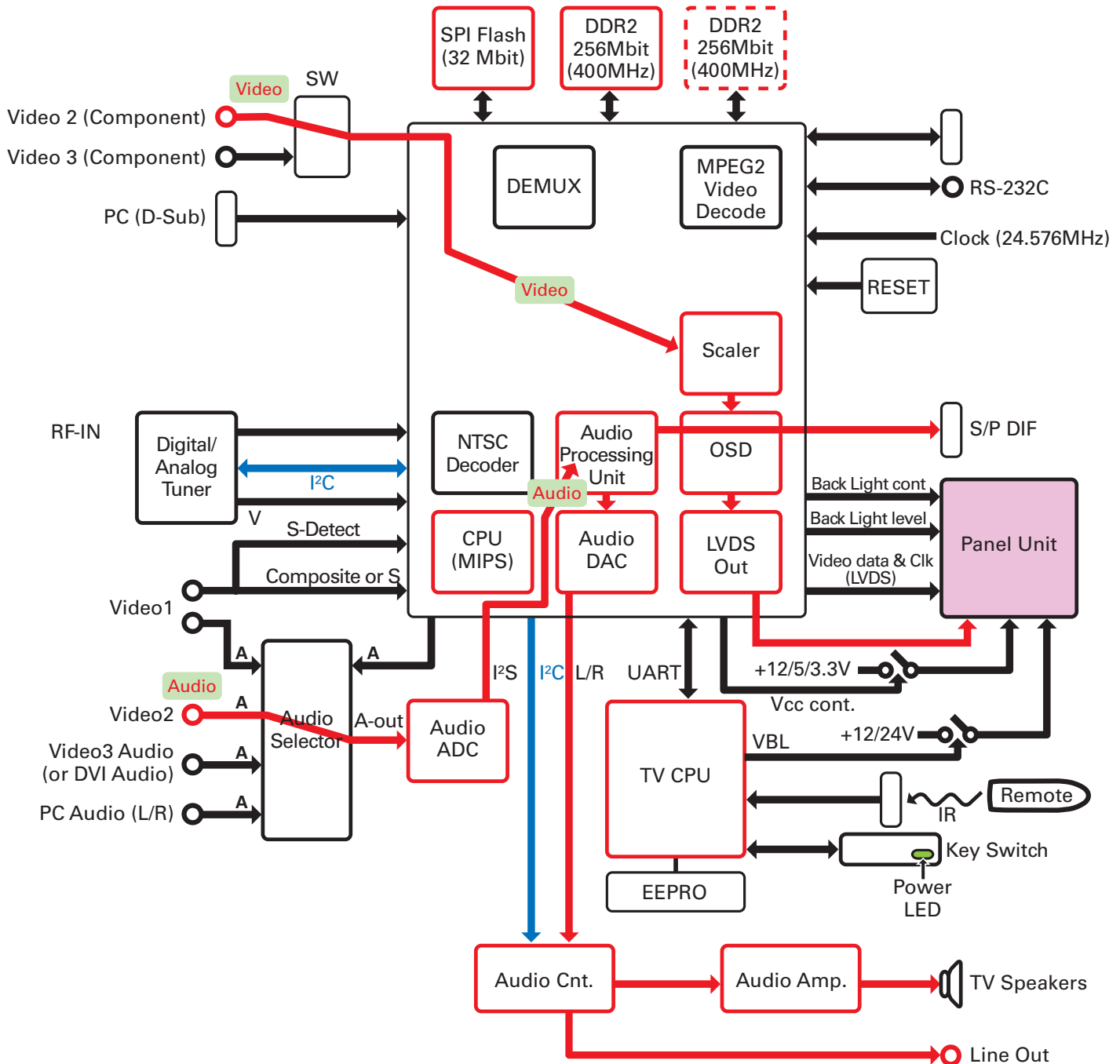
CONTROL PORT FUNCTIONS

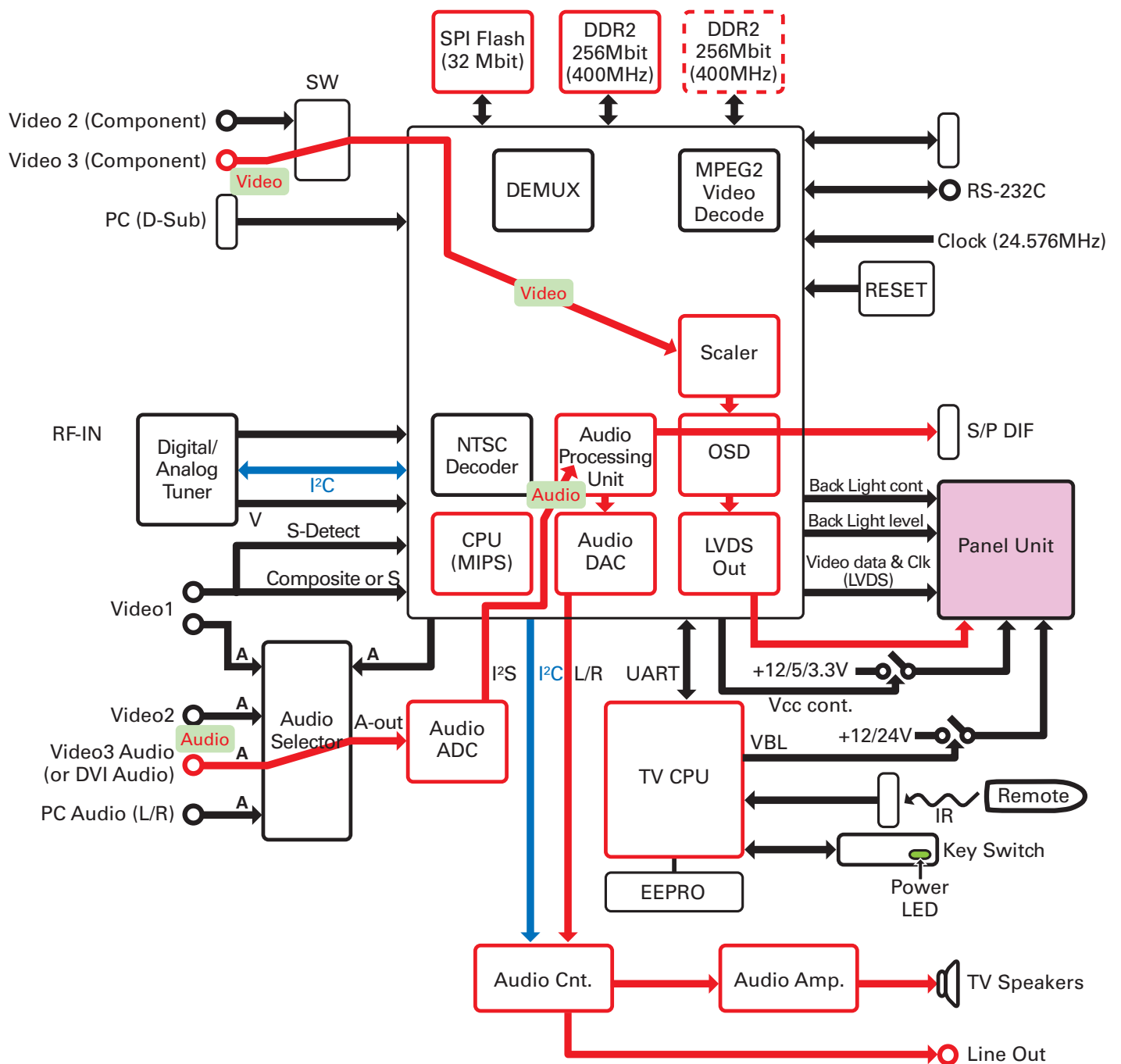
System Control (CPU : IC800)

Pin	Name	Function	I/O	Description
1	P12/SCK0	Reserve	OUT	(OPEN)
2	P13/SO1	Reserve	OUT	(OPEN)
3	P14/SI1/SB1	IIC-BUS for NV	I/O	(DATA)Active 'L' for IC data NV
4	P15/SCK1	IIC-BUS for NV	OUT	(CLOCK)Active 'L' for IIC clock NV
5	P16/T1PWML	REG SW2	OUT	REG SW2 (ON:High OFF:Low)
6	P17/T1PWMH/BUZ	REG SW3	OUT	REG SW3 (ON:High OFF:Low)
7	PWM2	Reserve	OUT	(OPEN)
8	PWM3	PWR_DET	IN	PWR_DET
9	VDD2	Power IN	IN	5V (5Vdc $\pm$ 10%)
10	VSS2	Vss	IN	GND (0Vdc)
11	P00	Category2	IN	Hard option
12	P01	Category1	IN	Hard option
13	P02	Category0	IN	Hard option
14	P03	Panel Size2	IN	Hard option
15	P04	Panel Size1	IN(OUT)	Hard option
16	P05/CKO	Panel Size0	IN(OUT)	Hard option
17	P06/T6O	LED CNTRL	OUT	LED control Power on/PC standby:High, Standby:Low
18	P07/T7O	TV Relay out	OUT	POWER Relay SW ON:High OFF:Low
19	P20/UTX/INT4/T1IN	UART OUT	OUT	Digital Module microcomputer piece confidence
20	P21/URX/INT4/T1IN	UART IN	IN	Digital Module microcomputer piece confidence
21	P22/INT4/T1IN	PC Standby LED	OUT	(OPEN)
22	P23/INT4/T1IN	Audio MUTE	OUT	MUTE ON:High OFF:Low
23	P24/INT5/T1IN	Power Fail-2 IN	IN	LVDS Power Fail
24	P25/INT5/T1IN	Reserve	OUT	(OPEN)
25	P26/INT5/T1IN	Reserve	IN	(GND)
26	P27/INT5/T1IN	Reserve	OUT	(OPEN)
27	PB7	RESET_TV	OUT	Low(Reserve)
28	PB6	VS_DET	IN	Detect VS (Detect:High, PC Input)
29	PB5	GonS_DET	IN	Detect HS (Detect:High, PC Input)
30	PB4	Reserve	OUT	(OPEN)
31	PB3	Reserve	OUT	(OPEN)
32	PB2	Power Fail-1 IN	IN	TV Power Error (L)/Others (H)
33	PB1	Reserve	OUT	(OPEN)
34	PB0	Solution	IN	Solution Option (High:US1H Low:US1F)
35	VSS3	Vss	IN	GND (0Vdc)
36	VDD3	Power IN	IN	5V (5Vdc $\pm$ 10%)
37	PC7	DBGP2	IN	Terminal for De-Bug 3
38	PC6	DBGP1	I/O	Terminal for De-Bug 2
39	PC5	DBGP0	I/O	Terminal for De-Bug 1
40	PC4	CLK	IN	Writing on board (CLK)
41	PC3	DATA0	I/O	Writing on board (DATA0)
42	PC2	ENA/DATA1	I/O	Writing on board (ENA/DATA1)
43	PC1	Ack out	OUT	For factory use
44	PC0	STATUS in	IN	For factory use
45	P86/AN6	Reserve	OUT	(OPEN)
46	P85/AN5	Reserve	OUT	(OPEN)
47	P84/AN4	Reserve	IN	GND or Pull-up
48	P83	M_OUT MUTE	OUT	Monitor Out Mute MUTE ON:Low OFF:High
49	P70/INT0/T0LCP/AN8	LINE OFF	IN	Detect AC Voltage Reduction (Normal: High)
50	P71/INT1/T0HCP/AN9	Reserve	OUT	(OPEN)
51	P72/INT2/T0IN	Reserve	OUT	(OPEN)

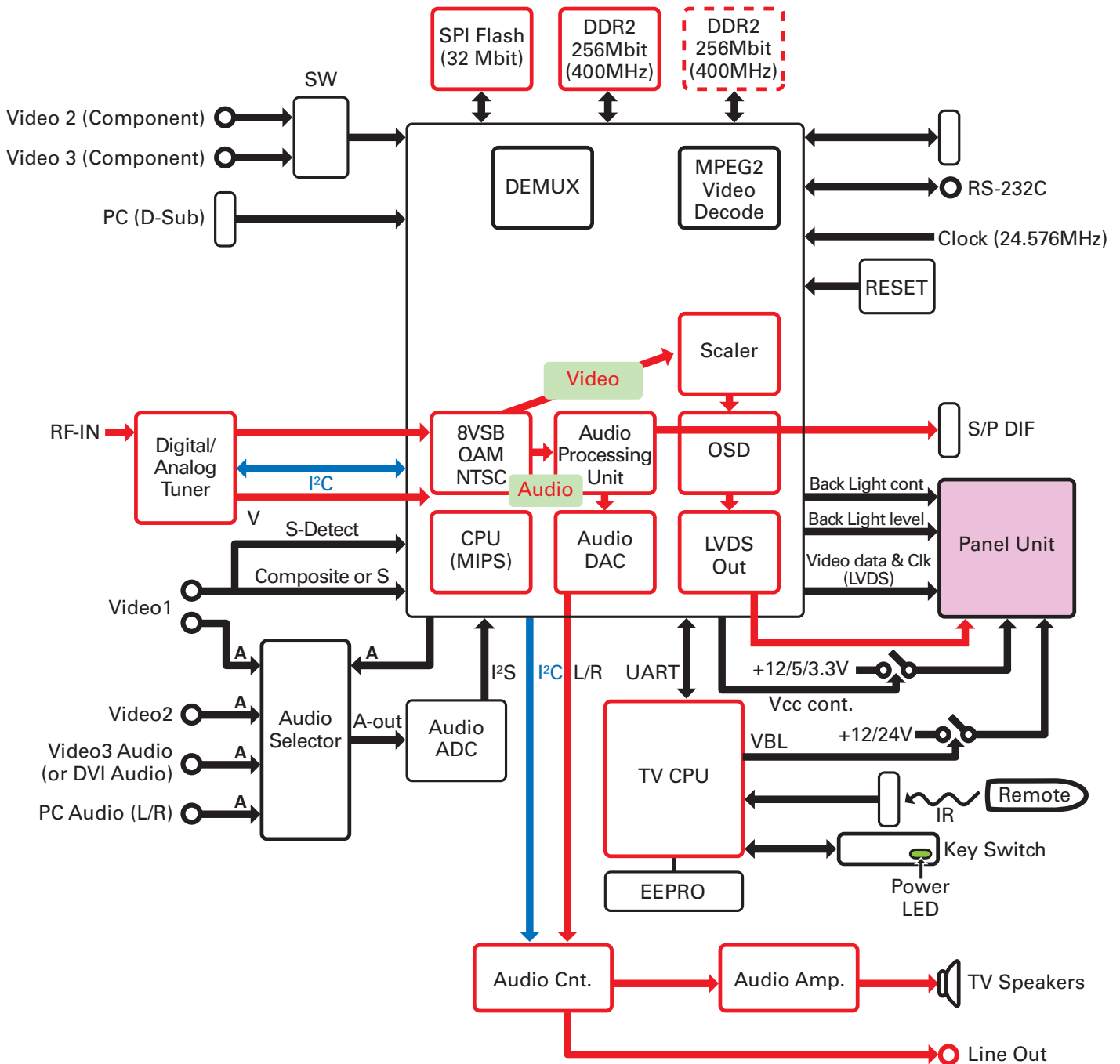
Pin	Name	Function	I/O	Description
52	P73/INT3/T0IN	Rcin	IN	RC Input
53	RES	RESET in	IN	Microcomputer Reset RESET:Low Normal:High
54	XT1/AN10	Xin	IN	Connect to VDD1
55	XT2/AN11	Reserve	OUT	(OPEN)
56	VSS1	Vss	IN	GND (0Vdc)
57	CF1	Xti	IN	Main Clock IN (Fosc=8MHz)
58	CF2	Xto	OUT	Main Clock OUT (Fosc=8MHz)
59	VDD1	Power IN	IN	5V (5Vdc $\pm$ 10%)
60	AN0	Key in	IN	Key input
61	AN1	AFT(Reserve)	IN	GND
62	P82	PANEL READY	IN	Panel Ready (for PDP) OK:High NG:Low
63	P10/SO0	VS-ON	OUT	VS-ON(for PDP) ON:High OFF:Low
64	P11/SI0/SB0	REG SW1	OUT	REG SW1 (ON:High OFF:Low)

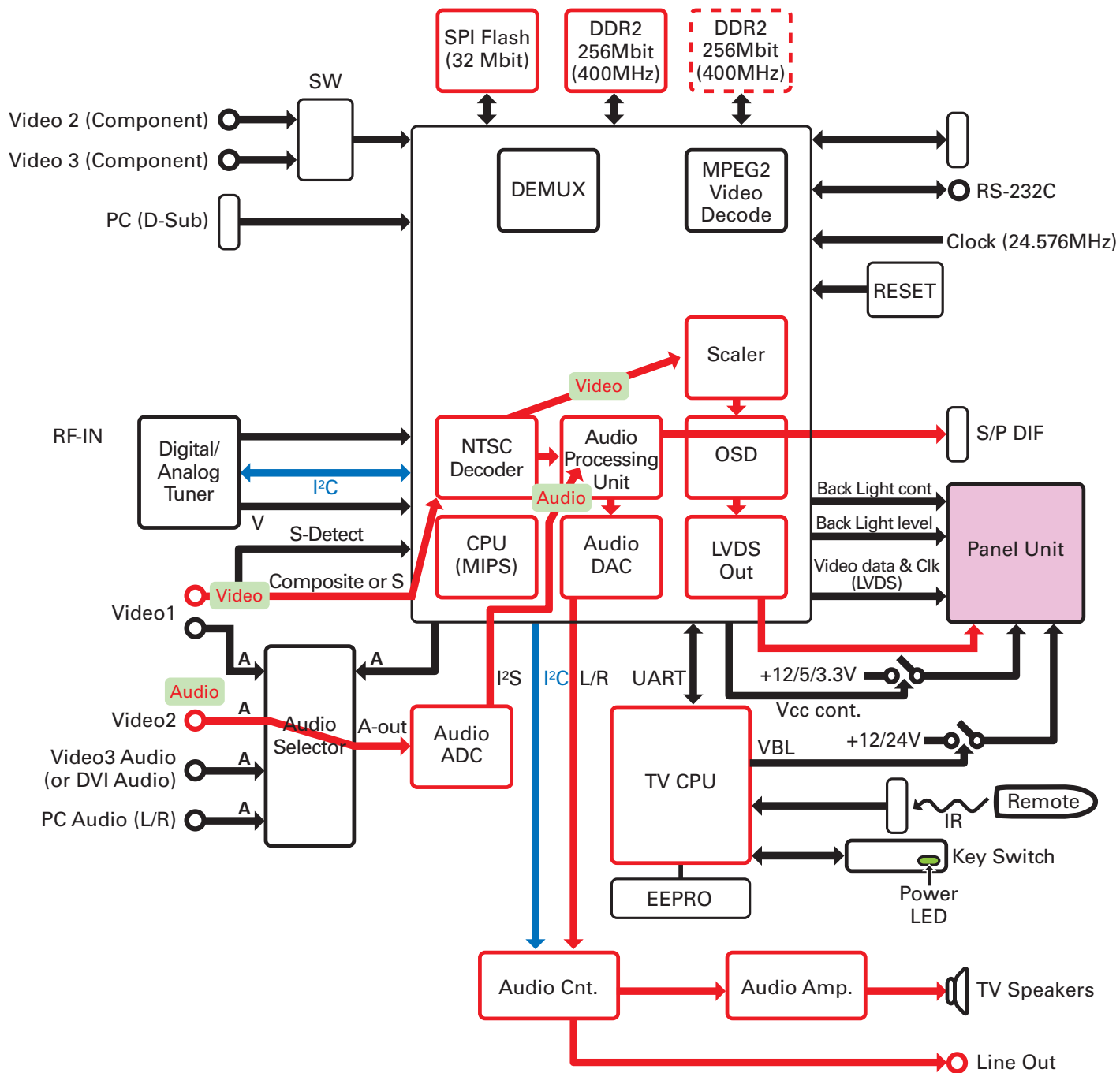
SIGNAL FLOW CHARTS



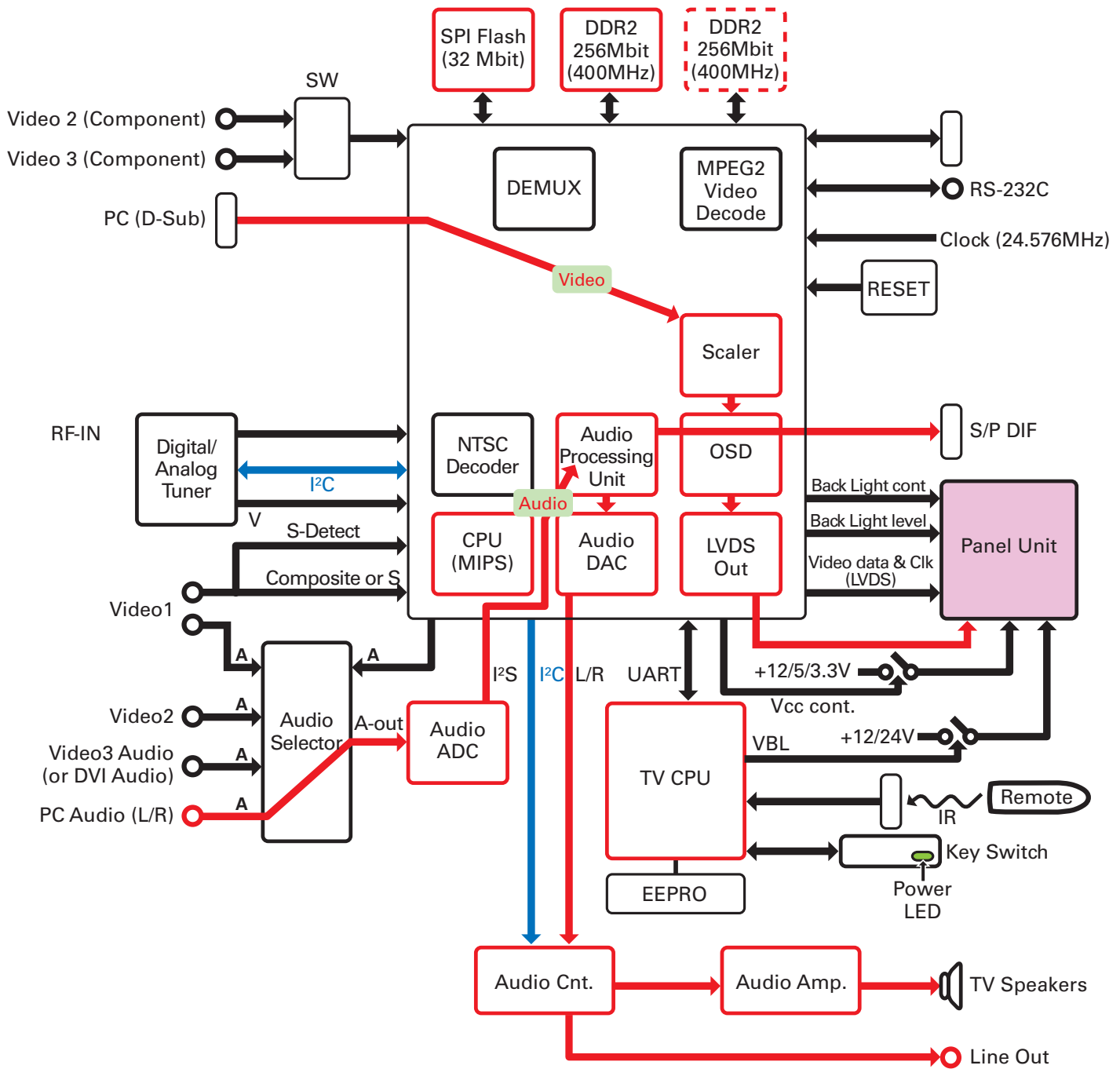


SIGNAL FLOW CHARTS (CONT.)





SIGNAL FLOW CHARTS (CONT.)



SCHEMATIC NOTES

NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μF (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an * may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line.  Cold Side  Hot Side
11. Schematic part location numbers may not always match the schematic symbols. The schematic symbols and part descriptions are correct and should be used. The part descriptions will be listed under the location number in the parts list.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

SERVICE NOTES:

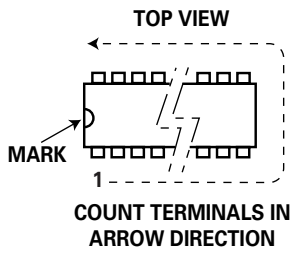
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

PRODUCT SAFETY NOTICE

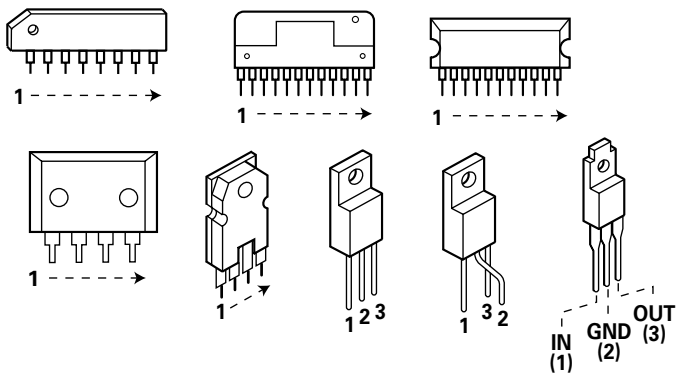
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

IC, DIODE, AND TRANSISTOR PIN LAYOUTS

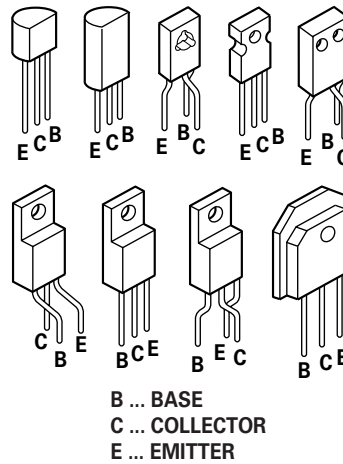
INTEGRATED CIRCUITS



SIDE VIEW

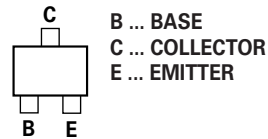


TRANSISTORS

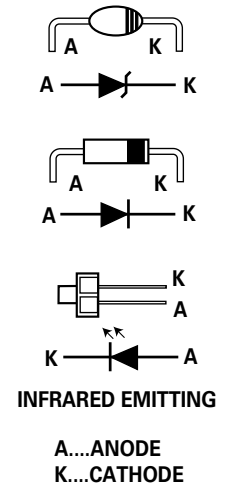


CHIP TRANSISTORS

TOP VIEW

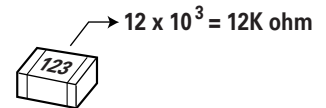


DIODES

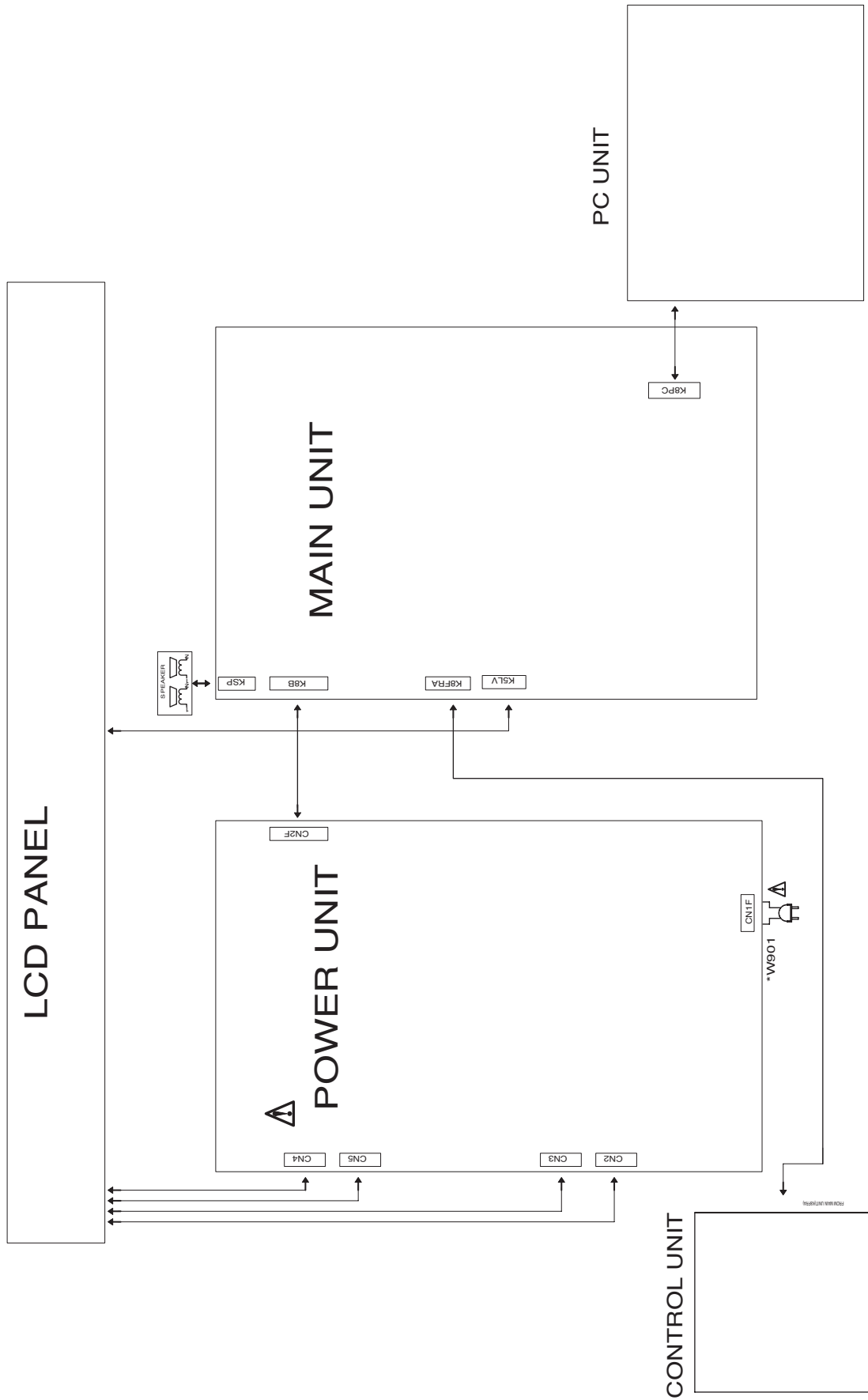


CHIP RESISTORS

TOP VIEW

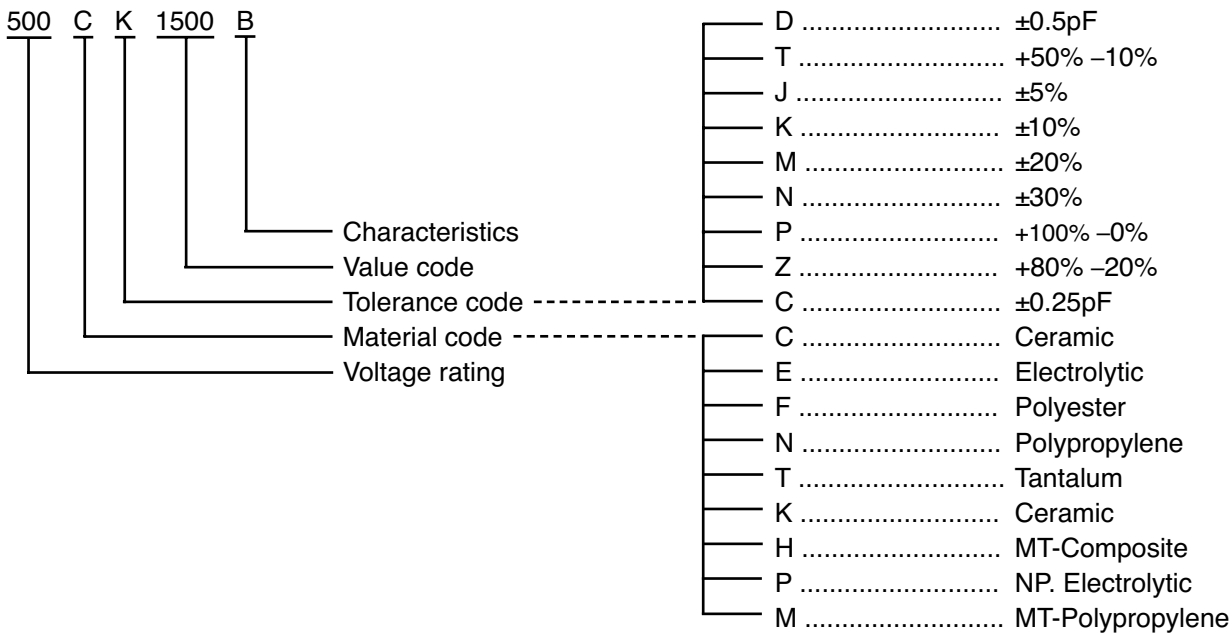


PC BOARD CONNECTIONS AND LOCATIONS

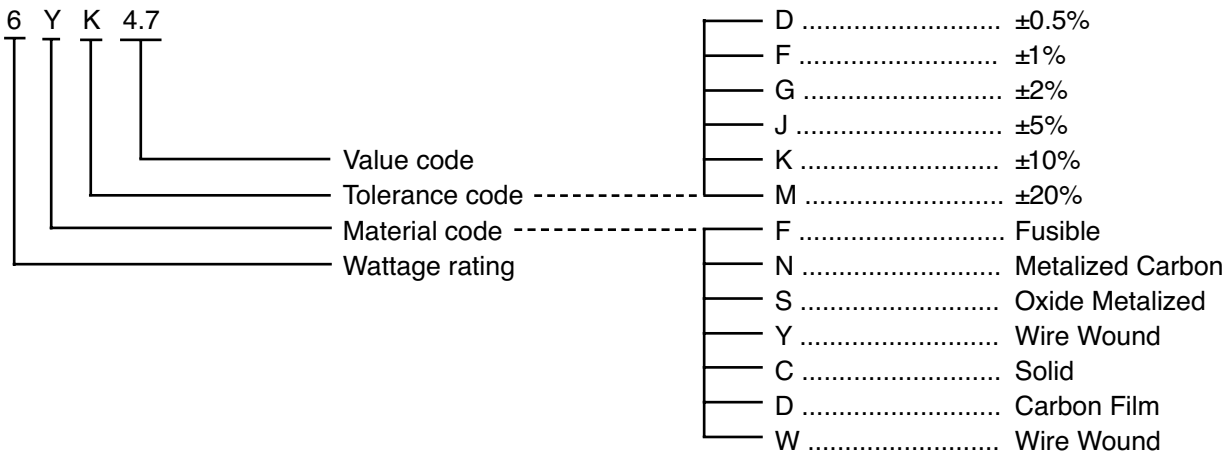


CAPACITOR AND RESISTOR CODE CHART

CAPACITOR (Example)



RESISTOR (Example)

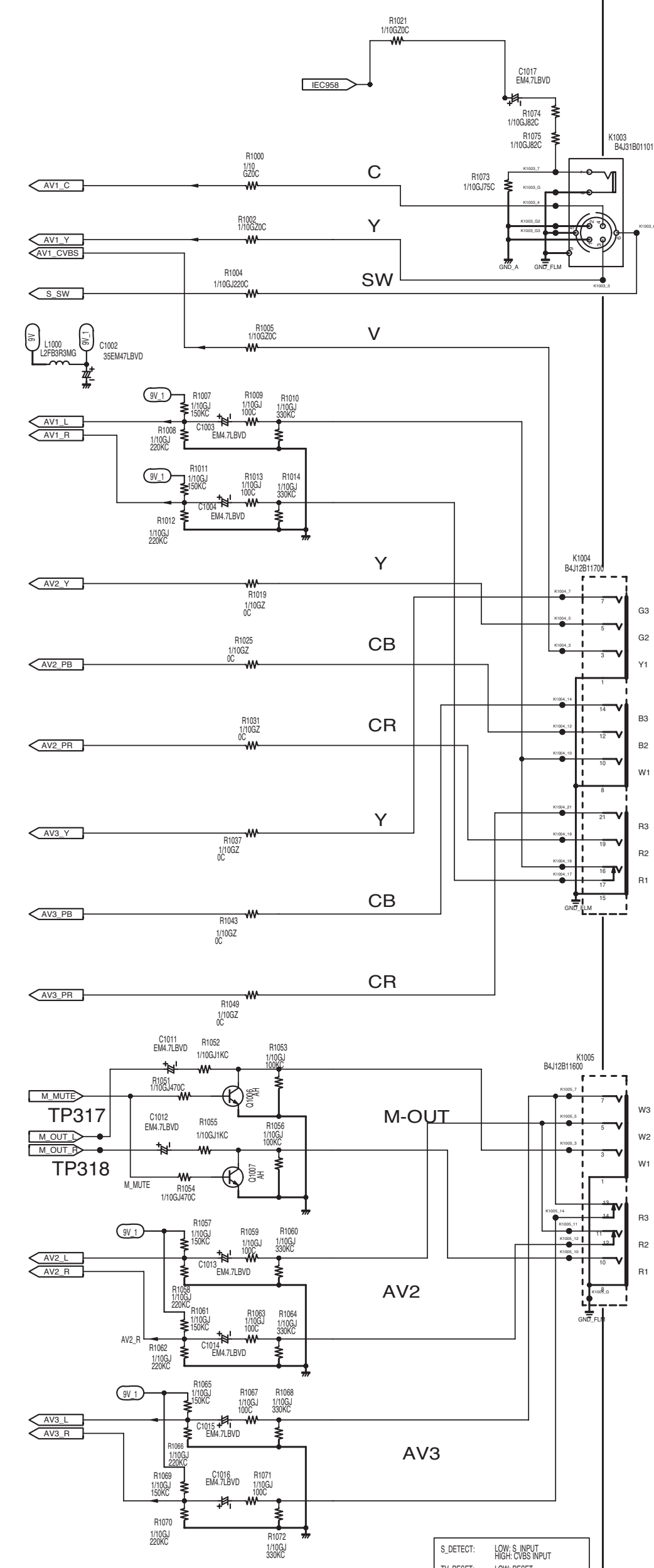
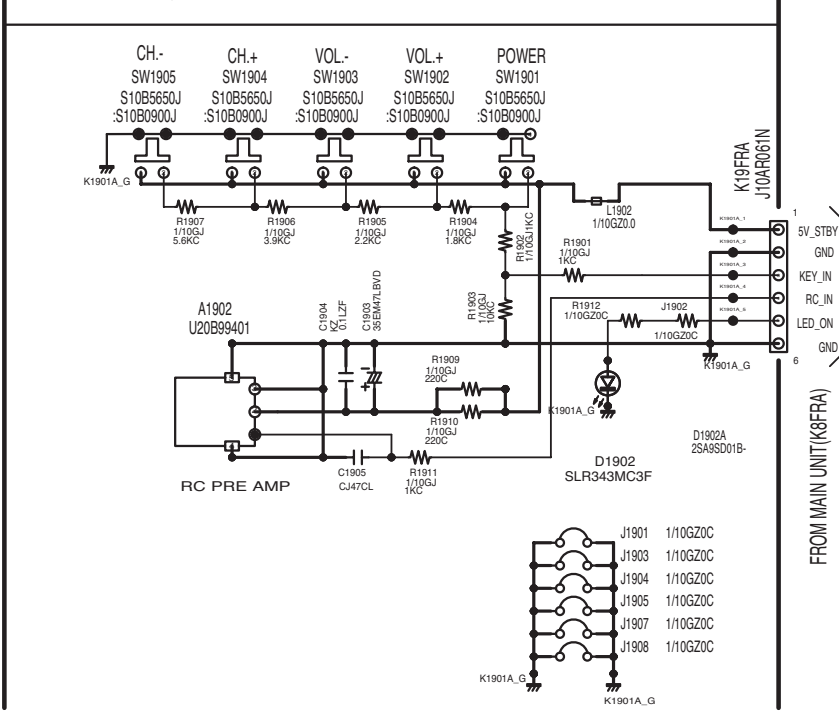


For parts or service contact

Sanyo Manufacturing Corporation
P.O. Box 2000
3333 Sanyo Road
Forrest City, Arkansas 72335-2000

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

ASSY,PWB,CONTROL-N4PH 1AA0B10N225E0
PWB,CONTROL-N4SG 1AA4B10N2020A



ASSY.PWB.MAIN-N4TP 1AA0B10N237A0
PWB.MAIN-N6FE 1LG4B10Y02200

